ì		1	1						1		1	1					
RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
			Black Start and Emergency														
			Internal														
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Cumbustion Engines	Diesel	1500	kWe	Two (2) 600 kWe black start diesel generators and four (4) 1,500 kWe emergency diesel	Good Combustion Practices	١,	G/KW-HR	3-HOUR AVERAGE	1 .	0				
7110 0004		030/2017	EMERGENCY	Dieses	1500	A TO	Benefit (1)	Cood Companion Fractices	1	GACH IIIC	TYLKIGL		1				
	MIDWEST FERTILIZER		GENERATORS (EU014A AND	DISTILLATE						G/HP-H	3 HOUR						
IN-0263	COMPANY LLC	3/23/2017	EU-014B)	OIL	3600	HP EACH		GOOD COMBUSTION PRACTICES	4.42	EACH	AVERAGE	50	H/YR EACH		(		
	HOLBROOK		Emergency					Good equipment design, proper combustion techniques, use of low sulfur									
	COMPRESSOR		Generators No. 1					fuel, and compliance with 40 CFR 60			HOURLY			ANNUAL			
LA-0292	STATION LAKE CHARLES	1/22/2016	& No. 2	Diesel	1341	HP		Subpart IIII	14.10	LB/HR	MAXIMUM	0.7	1 TPY	MAXIMUM	4.8	G/BHP-HR	
	METHANOL		Diesel Engines														
LA-0305	FACILITY	6/30/2016	(Emergency)	Diesel	4023	hp		Complying with 40 CFR 60 Subpart IIII	(			-	0		- 0		
			DEG1-13 -														
	ST. JAMES		Diesel Fired Emergency														
	METHANOL		Generator Engine														
*LA-0312	PLANT	6/30/2017	(EQT0012)	Diesel	1474	horsepower	Operating hours limit: 100 hr/yr.	Compliance with NSPS Subpart IIII Compliance with NESHAP 40 CFR 63	19.23	LB/HR		1	0		(		
			SCPS					Subpart ZZZZ and NSPS 40 CFR 60									
	ST. CHARLES		Emergency					Subpart IIII, and good combustion			HOUBLY			AND THAT			
LA-0313	POWER STATION	8/31/2016	Diesel Generator	Diesel	2584	HP		practices (use of ultra-low sulfur diesel fuel).	27.34	LB/H	HOURLY MAXIMUM	6.8	4 T/YR	ANNUAL MAXIMUM	4.8	G/BHP-HR	
			amargar														
	CAMERON LNG		emergency generator engines	,													
LA-0316	FACILITY METHANEX -	2/17/2017	(6 units)	diesel	3353	hp		Complying with 40 CFR 60 Subpart IIII	-			-	0		(		
	GEISMAR		Emergency				I-GDE-1201, II-GDE-1201 = 2346 hp										
	METHANOL		Generator				I-GDE-1202 = 755 hp	complying with 40 CFR 60 Subpart IIII	l .			I .			l .		
LA-0317	PLANT	12/22/2016	Engines (4 units)	Diesel	- 0	)	I-GDE-1203 = 1193 hp	and 40 CFR 63 Subpart ZZZZ	+ (	)		+	0		+		
			Emergency								TEST						
	GRAYLING		Diesel Generator Engine								PROTOCOL						
	PARTICLEBOAR		(EUEMRGRICE						l		WILL SPECIFY				1		
MI-0421	D	8/26/2016	in FGRICE) EUEMENGINE	Diesel	500	H/YR	One emergency diesel generator engine rated at 1600 kW (EUEMRGRICE in FGRICE).  a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine manufactured	Certified engines, limited operating hours.	. 22.0	LB/H	AVG TIME TEST	<u> </u>	0		1	-	
			(Diesel fuel				in 2011 or later and a displacement of <10 liters/cylinder. Restricted to 4 hours/day, except				PROTOCOL						
MI-0423	INDECK NILES,	1/4/2017	emergency engine)	Diesel Fuel	22.68	MMBTU/H	during emergency conditions and stack testing, and 500 hours/year on a 12-month rolling time period basis.	Good combustion practices and meeting NSPS IIII requirements.	6.5	G/KW-H	WILL SPECIFY AVG TIME	1 .	0				
			EUFPENGINE (Emergency				A 260 brake horsepower (bhp) diesel-fueled emergency engine manufactured in 2011 or later and a displacement of <10 liters/cylinder. Powers a fire pump used for a back up during an				TEST PROTOCOL						
	INDECK NILES,		enginediesel	L			emergency (EUFPENGINE). Restricted to 1 hour/day, except during emergency conditions and		l .		WILL SPECIFY				1		
MI-0423	LLC	1/4/2017	fire pump) EUEMRGRICE1	Diesel	1.66	MMBTU/H	stack testing, and 100 hours/year on a 12-month rolling time period basis.	NSPS Subpart IIII requirements.	-	G/BHP-H	AVG TIME	<u> </u>	0		1		
			in FGRICE														
	GRAYLING PARTICLEBOAR		(Emergency diesel generator								TEST PROTOCOL						
MI-0425	D	5/9/2017	engine)	Diesel	500	H/YR	One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE1 in FGRICE).	Certified engines, limited operating hours.	21.3	LB/H	SHALL SPECIFY	1	0		(		
			EUEMRGRICE2	2													
	CD AND DIC		in FGRICE								TECT						
	GRAYLING PARTICLEBOAR		(Emergency Diesel Generator								TEST PROTOCOL						
MI-0425	D	5/9/2017	Engine) EUEMENGINE	Diesel	500	H/YR	One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE2 in FGRICE).	Certified engines, limited operating hours	4.4	LB/H	SHALL SPECIFY	1	0		1		
	MEC NORTH,		(North Plant):				A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model year of 2011 or	r									
*MI 0422	LLC AND MEC	6/29/2018	Emergency	Dissel	,	III	later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with	Good combustion practices and meeting		G/KW-H	HOURLY						
*MI-0433	SOUTH LLC	6/29/2018	EUEMENGINE	Diesei	1341	In!	Tier IV emission standards. Equipped with a diesel particulate filter.	NSPS Subpart IIII requirements.	6.4	G/KW-H	HOUKLY	<u> </u>		1	+ '		
	MEC NORTH, LLC AND MEC		(South Plant):				A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency engine with a model year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with	Good combustion practices and meeting									
*MI-0433	SOUTH LLC	6/29/2018	Emergency Engine	Diesel	1341	HP	Tier IV emission standards. Equipped with a diesel particulate filter.	NSPS IIII requirements.	6.4	G/KW-H	HOURLY	1 .	0				
			EULIFESAFET YENG - One														
	FLAT ROCK		diesel-fueled				ENTERCAPETATION OF AN IN THE PROPERTY.				HOLDIA						
*MI-0434	ASSEMBLY PLANT	3/22/2018	emergency engine/generator	Diesel	500	KW	EULIFESAFETYENG - One (1) diesel-fueled emergency engine/generator rated at 500 KW. No add-on control.	Good combustion practices.		G/KW-H	HOURLY; NMHC+NOX	8.4	7 LB/H	HOURLY; NOX			
	BELLE RIVER		EUEMENGINE:	1											T		
	COMBINED CYCLE POWER		EUEMENGINE: Emergency				A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified engine subject to										
*MI-0435	PLANT	7/16/2018	engine	Diesel	2	MW	NSPS IIII.	State of the art combustion design.	6.4	G/KW-H	HOURLY		0	1			
			Emergency Generator -														
WV-0027	INWOOD	9/15/2017	ESDG14	ULSD	900	bhp	Used to supply power to the facility in the event of power loss	Engine Design	4.77	G/HP-HR	-	1	0		- 0		
	INTERNATIONA		Caterpillar 3215C Black														
	L STATION		Start Generator								INSTANTANEOU	J					
AK-0071	POWER PLANT	12/20/2010	[(1)	ULSD	1500	KW-e		Turbocharger and Aftercooler	1 6.4	G/KW-H	IS	1	DI	1	1 (	1	

i <del></del>																	
	FACILITY	PERMIT ISSUANCE	PROCESS	PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID		DATE	NAME	FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
									<del> </del>	I		1					
								Black Start diesel fired engine EU 13 shal									i
								be equipped with turbo charging and after	1								i
								cooling. The turbo charger reduces NOx									i
								emissions by boosting the pressure and temperature of the air entering the engine									ĺ
								allowing more fuel to be added to increase									i
	INTERNATIONA							power output. This translates into higher	1								i
	L STATION							combustion efficiency and reduced									i
AK-0073	POWER PLANT	12/20/2010	Fuel Combustion	Diesel	150	0 kW-e	EU 13 Black Start Engine	emissions.	6.4	G/KW-H			0		0		
	POINT																1
	THOMSON		0 1 6 6														i
AK-0076	PRODUCTION FACILITY	8/20/2012	Combustion of Diesel by ICEs	ULSD	175	kW	Diesel-fired generators		6.0	G/KW-H			ام				1
AK-0070	POINT	8202012	Dieser by ICEs	ULSD	175	J KW	Diesci-incu generators		0.5	G/KW-II			4		†		
	THOMSON																, ,
	PRODUCTION		Emergency	Ultra Low Sulfur													, ,
*AK-0082	FACILITY POINT	1/23/2015	Camp Generators	Diesel	269:	5 hp	Three 2,695 hp ULSD-fired Standby Camp Generator Engines.		4.8	G/HP-H			0		0		
	THOMSON																, ,
	PRODUCTION		Airstrip	Ultra Low Sulfur													1
*AK-0082	FACILITY	1/23/2015	Generator Engine		49	0 hp	One 490 hp Airstrip Generator Engine		4.8	G/HP-H			0		0		1
	POINT																1
	THOMSON		Bulk Tank														1
	PRODUCTION		Generator	Ultra Low Sulfur	89		THE THE STATE OF T										, ,
*AK-0082	FACILITY HILLABEE	1/23/2015	Engines	Diesel	89	l hp	Two ULSD-fired 891 hp Bulk Tank Storage Area Generator Engines		4.8	G/HP-H			0		-		
	ENERGY		EMERGENCY														, ,
AL-0251	CENTER	9/24/2008	GENERATOR	DIESEL	60	0 EKW		GOOD COMBUSTION PRACTICES					0		0		, ,
	NUCOR STEEL		DIESEL FIRED														
	TUSCALOOSA,		EMERGENCY														, ,
*AL-0301	INC. ARIZONA	7/22/2014	GENERATOR	DIESEL	80	HP HP			0.015	LB/HP-H			0	-	- 0		
	CLEAN FUELS		EMEDGENCY	NO. 2 DIESEL													NOT
AZ-0046	YUMA	4/14/2005	GENERATOR		10.5	MMBTU/H	EQUIPMENT IDENTIFIED BY ID # S-29100		6.4	G/KW-H			0				AVAILABLE
	VICTORVILLE 2						2,100										
	HYBRID POWER		EMERGENCY					OPERATIONAL RESTRICTION OF 50									, ,
CA-1191	PROJECT	3/11/2010	ENGINE	DIESEL	200	KW	2000 KW (2,683 hp) engine	HR/YR	(	G/KW-H		4.	5 G/HP-H		0		
	PALMDALE HYBRID POWER		EMERGENCY														, ,
CA-1212	PROJECT	10/18/2011	IC ENGINE	DIESEL	268	HP	UNIT IS 2000 KW.		6.4	G/KW-H	3-HR AVG	4	8 G/HP-H	3-HR AVG			, ,
	MOUNTAINVIE		EMERGENCY														
	W POWER		FIRE IC														, ,
CA-1213	COMPANY LLC	4/21/2006	ENGINE	DIESEL	37:	5 BHP			(				0		0		
	MOUNTAINVIE W POWER		EMERGENCY POWER IC														, ,
CA-1213	COMPANY LLC	4/21/2006	ENGINE	DIESEL	215	5 BHP							0				, ,
	SAN DIEGO		ICE:Emergency-														·
	INTERNATIONA		Compression														, ,
*CA-1220	L AIRPORT	10/3/2011		diesel	188	1 BHP	Mitsubishi S12R-Y2PTAW-1	Tier 2 certified and 50 hr/y M&T limit	3.9	G/HP-H			0		0		
			ICE:Emergency-					Tier 2 certified and 50 hr/yr for M&T									, ,
*CA-1221	PACIFIC BELL	12/5/2011	Compression	diesel	363-	4 bbp		limit	3.4	G/HP-H			٥				1
CHILLI		12/3/2011	I I I I I I I I I I I I I I I I I I I	uicici	303	T OLLP		mint		G-111 11			1		1		
	SHADY HILLS		2.5 MW					PURCHASE MODEL IS AT LEAST AS	;								1
	GENERATING			ULTRA LOW S				STRINGENT AS THE BACT VALUES,	,		3 ONE HOUR						i
FL-0310	STATION	1/12/2009	GENERATOR	OIL	2.:	5 MW	MAXIMUM HOURS OF OPERATION: 500 HRS/YR  Two emergency generators, each rated at 2,000 kW, will be installed to provide backup	UNDER EPA CERTIFICATION.	6.5	G/HP-H	TEST		0		- 0		-
			1			1	electrical power in the event of a power outage at the SRF facility. The engines will fire ULSD		1				1	1		[ ]	i
	SWEET		1			1	fuel oil or propane and each will be limited to 500 hours per year of operation during		1				1	1		[ ]	i
	SORGHUM-TO-		1				emergencies. Each unit will be operated no more than 100 hours per year for testing and				1	1		1			Í
	ETHANOL		Emergency			1	maintenance purposes per 40 CFR 60, Subpart IIII. Each engine will be designed to meet		1				1	1			i
FL-0322	ADVANCED BIOREFINERY	12020010	Generators, Two 2682 HP EA	ULSD	] .		USEPA's emission standards listed in 40 CFR Part 60 Subpart IIII for model year 2006 or		1	G/KW-H			ا	1			i
FL-0322	ANADARKO -	12/23/2010	2002 HP EA	OLSD	<del>                                     </del>		rater.		6.4	G/KW-H	<del> </del>	<del> </del>	4	<del> </del>	+ °		
	PHEONIX		Emergency			1		Limited use of 24 hours/week and	1				1	1			i
FL-0327	PROSPECT	6/13/2011		Diesel		0	WÃ□rtsilÃ□ 6R32LNE	recordkeeping of operation.	9.4	T/YR			0		0		
	ENI - HOLY																
	CROSS DRILLING	1	<sub>r</sub>		1			Use of good combustion practices, based	1		12 MONITH	1	1	1	1	[ ]	í
*FL-0328	DRILLING PROJECT	10/27/2011	Emergency	Discal		НР	MAN D-2842 LE model engine	on the current manufacturer's specifications for this engine	1	T/YR	12-MONTH ROLLING	12.5	1 G/HP-H	1	"	[ ]	i '
12-0328	. ROJECI	10/2 //2011	Lugue	L-TCSCI	381			specifications for this clighte	0.4	./ I K	KOLLING	12.3	- Grin-Fi	<u> </u>	1		
			1				One emergency generator rated at 2,000 kW (2,682 HP) will be installed to provide backup				1	1		1			i '
	HIGHLANDS		1				electrical power in the event of a power outage at the HEF facility. The generator will fire				1	1		1			i '
	BIOREFINERY AND		2000 KW				ULSD fuel oil or natural gas and will be limited to 500 hours per year of operation during				1	1		1			i '
	COGENERATIO		Emergency			1	emergencies. The unit will be operated no more than 100 hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The engine will be designed to meet US		1				1	1			i
FL-0332	N PLANT	9/23/2011	Emergency Equipment		1 .	0	EPA's emission standards listed in 40 CFR Part 60 Subpart IIII. for model year 2006 or later	See Pollutant Notes.	6.4	G/KW-H	1		ol	1			Í
		7/23/2011	,,		1				- 0.5		1	1					
	HIGHLANDS		1			1	One 600 hp diesel fire pump engine will be installed to provide firewater during power outages.		1				1	1			i '
	BIOREFINERY	1	COO TIP		1		This unit will fire ULSD fuel oil or natural gas and will be limited to 500 hours per year of		1		1	1	1	1	1	[ ]	i '
1	AND COGENERATIO	1	600 HP	Ultra-Low Sulfur	.]		operation. This unit will be operated no more than 100 hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The engine will be designed to meet US		1		1	1	1	1	1	[ ]	i '
FL-0332	N PLANT	9/23/2011	Emergency Equipment	Oil	1 .	0	EPA's emission standards listed in 40 CFR Part 60 Subpart IIII for model year 2009 or later	See Pollutant Notes	-	G/HP-H	1		ol	1		[ ]	, '
	,					-1							-				

ĺ		PERMIT								1	1			1			
	FACILITY	ISSUANCE	PROCESS	PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	NAME	DATE	NAME	FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
								Use of good combustion practices based									
								on the current manufacturer's									
			Emergency					specifications for these engines, use of									
	SAKE PROSPECT		Generator Diesel Engine -					low sulfur diesel fuel, positive crankcase ventilation, turbocharger with aftercooler,			PER YEAR 12 MONTH						
	DRILLING		Development					high pressure fuel injection with			ROLLING						
*FL-0338	PROJECT	5/30/2012		Diesel	2229	hp		aftercooler	1.0	T/YR	TOTAL	(			0		
								Use of good combustion practices based on the current manufacturer's									
								specifications for these engines, use of									
	SAKE		Emergency					low sulfur diesel fuel, positive crankcase			PER YEAR 12						
	PROSPECT		Generator Diesel					ventilation, turbocharger with aftercooler,			MONTH						
*FL-0338	DRILLING PROJECT	5/30/2012	Engine - C.R.	diamet	2064	L	Caterpillar D3516A 1998	high pressure fuel injection with aftercooler	1.4	T/YR	ROLLING TOTAL	Ι ,					
112-0338	rkoseci	3/30/2012	Luigs	dieser	2004	пр	Catcipinai D3310A 1996	ancicooki	1.7	7 17 1 K	TOTAL	<u> </u>	1				
								Use of good combustion practices based									
	ANADARKO							on the most recent manufacturer's									
	PETROLEUM CORPORATION -		Main Propulsion Generator Diesel					specifications issued for engines and with turbocharger, aftercooler, and high			ROLLING 24						
*FL-0347	EGOM	9/16/2014	Engines	Diesel	9910	hp	Four 1998 Wartsila 18V32LNE 9910 hp and Two 1998 Wartsila 12V32LNE 6610 hp	injection pressure	12.	G/KW-H	HOUR AVERAGE	е (			0		
					1		, and the second		1			1		1	1		
				1				Use of good combustion practices based						1			
	ANADARKO PETROLEUM			1				on the most recent manufacturer's specifications issued for engines and with		1	1			1		1	
	CORPORATION -		Emergency	1				specifications issued for engines and with turbocharger, aftercooler, and high						1			
*FL-0347	EGOM	9/16/2014	Diesel Engine	Diesel	3300	hp	1998 Wartsila 6R32LNE	injection pressure  NO SPECIFIC CONTROL	1 -		1	(		1	0	1	
								NO SPECIFIC CONTROL									
				1				TECHNOLOGY IS SPECIFED. ENGINE IS REQUIRED TO MEET									
				1				LIMITS ESTABLISHED AS BACT		1	1			1		1	
				1			THREE 1,500 KW EMERGENCY GENERATORS ARE BEING INSTALLED AS A PART	(TIER 2 NONROAD). THIS COULD						1			
							OF THIS PROJECT. PERMITS 07-A-542-P, 07-A-576-P AND 07-A-577-P. THE PROJECT	REQUIRE ANY NUMBER OF									
	ADM CORN						ALSO INCLUDES THE INSTALLATION OF ONE 2,00 KW EMERGENCY	CONTROL TECHNOLOGIES AND						12-MONTH			
IA-0088	PROCESSING - CEDAR RAPIDS	(20/2007	EMERGENCY GENERATOR	DIFCEI	1500	IZW.	GENERATOR. PERMIT 07-A-578-P. ALL FOUR EMERGENCY GENERATORS HAVE THE SAME SHORT TERM BACT LIMITS AND DIFFERENT TON/YR BACT LIMITS.	OPERATIONAL REQ. TO MEET THE BACT STANDARD.		G/HP-H	AVERAGE OF 3 TEST RUNS		T/YR	ROLLING TOTAL			
IA-0088	CEDAR RAPIDS	6/29/2007	GENERATOR	DIESEL	1500	KW	THE SAME SHORT TERM BACT LIMITS AND DIFFERENT TON/YR BACT LIMITS.	BACI STANDARD.	4.	G/HP-H	TEST KUNS	5.25	9 1/YK	IOIAL	- 0		
	TATE & LYLE			1							AVERAGE OF			12-MONTH			
	INDGREDIENTS		EMERGENCY	1						1	THREE STACK			ROLLING		1	
IA-0095	AMERICAS, INC. IOWA	9/19/2008	GENERATOR	DIESEL	700	KW			6.3	G/KW-H	TEST RUNS	2.39	T/YR	AVERAGE	- 0		
	IOWA FERTILIZER		Emergency	1							AVERAGE OF 3 STACK TEST			ROLLING 12			
IA-0105	COMPANY	10/26/2012	Generator	diesel fuel	142	GAL/H	rated @ 2,000 KW	good combustion practices	<u> </u>	G/KW-H	RUNS	6.61	TONS/YR	MONTH TOTAL	0	<u></u>	<u> </u>
	POWER																
	COUNTY ADVANCED		2 MW EMERGENCY	1										1			
	ADVANCED ENERGY		GENERATOR,	ASTM #1, 2,				GOOD COMBUSTION PRACTICES.									
ID-0017	CENTER	2/10/2009	SRC25	DIESEL	2000	KW	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	EPA CERTIFIED PER NSPS IIII	1 .		1	1 (		1	0	1	
	POWER		500 KW														
	COUNTY		EMERGENCY	1						1	1			1		1	
	ADVANCED ENERGY		GENERATOR, FIRE PUMP,	ASTM #1, 2,				GOOD COMBUSTION PRACTICES.						1			
ID-0017	CENTER	2/10/2009		DIESEL	500	KW	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	EPA CERTIFICATION PER NSPS IIII.	1 .	)	SEE NOTE	(		1	0		
	LANGLEY		EMERGENCY					TIER 2 ENGINE-BASED,									
ID-0018	GULCH POWER PLANT	6/25/2010	GENERATOR	DIESEL	750	KW	COMPRESSION IGNITION INTERNAL COMBUSTION (CI ICE)	GOOD COMBUSTION PRACTICES (GCP)	1 .	G/KW-H	NOX+NMHC	1 .	,	1			
110-0018	CRONUS	0/25/2010	LINGINE	DIESEL	/50	IX IV	COMERCISION IGNITION INTERNAL COMBUSTION (CLICE)	(GCI)	6.	J/KW-H	NOATIMHU	+ '	+	+	1 0		<u> </u>
	CHEMICALS,		Emergency	1				Tier IV standards for non-road engines at						1			
*IL-0114	LLC	9/5/2014	Generator	distillate fuel oil	3755	HP		40 CFR 1039.102, Table 7.	0.6	G/KW-H		1			0		
	ST. JOSEPH		TWO (2) EMERGENCY	1						1	1			1		1	
	ENEGRY		DIESEL	1			THE TWO INTERNAL COMBUSTION ENGINES, IDENTIFIED AS EG01 AND EG02,	COMBUSTION DESIGN CONTROLS					HOURS OF	1			
*IN-0158	CENTER, LLC	12/3/2012	GENERATORS	DIESEL	1006	HP EACH	EXHAUST THROUGH TWO (2) VENTS.	AND USAGE LIMITS	4.3	G/HP-H	3 HOURS	500	OPERATION	YEALRY	0		
	ST. JOSEPH		EMERGENCY														
*IN-0158	ENEGRY CENTER, LLC		DIESEL	DIESEI	2012	шь	THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03, EXHAUSTS THROUGH ONE (1) VENT.	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	1	G/HP-H	3 HOURS		HOURS OF OPERATION	VEADIV	1 .		
11N-0158	INDIANA	12/5/2012	GENERATOR TWO (2)	DIESEL	2012	***	THROUGH ONE (I) VENT.	GOOD COMBUSTION PRACTICES	4.3	улг-н	5 HOURS	500	OFERATION	LEARLY	1 0		
	GASIFICATION,		EMERGENCY	1		HORSEPOWER,		AND LIMITED HOURS OF NON-						1			
*IN-0166	LLC	6/27/2012	GENERATORS	DIESEL	1341	EACH	IDENTIFIED AS EU-009A AND EU-009B	EMERGENCY OPERATION	1 -	)	1	1		-	0		-
	MIDWEST FERTILIZER		DIESEL FIRED EMERGENCY	1			ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS. INSIGNIFICANT										
*IN-0173	CORPORATION	6/4/2014		NO. 2, DIESEL	3600	BHP	ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	4.4	G/HP-H	3-HR AVERAGE	1 (		1	0	1	
	OHIO VALLEY		DIESEL-FIRED		3000				1	1		1			1		
-n	RESOURCES,		EMERGENCY				ANNUAL VIOLENCE OF ANNUAL PROPERTY OF THE PROP			0.000				1			
*IN-0179	LLC MIDWEST	9/25/2013	GENERATOR DIESEL FIRED	OIL	4690	B-HP	ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS.	GOOD COMBUSTION PRACTICES	4.4	G/HP-H	3-HR AVERAGE	+ (	1	-	- 0		-
	FERTILIZER		EMERGENCY	1			ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS. INSIGNIFICANT			1	1			1		1	
*IN-0180	CORPORATION	6/4/2014	GENERATOR	NO. 2, DIESEL	3600	BHP	ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	4.4	G/HP-H	3-HR AVERAGE			1	0		
							THE CUMMINS POWER GENERATION DIESEL GENERATOR (MODEL NO.: QSK78-							1			
				1			G6) SHALL ONLY COMBUST NO. 2 FUEL OIL WITH VERY LOW SULFUR CONTENT AS THE PRIMARY FUEL TYPE. THERE WILL BE NO SECONDARY FUEL FOR							1			
				1			BACKUP, INOTE: THE INCREASE IN SIZE OF THE EMERGENCY BLACK START							1			
				1			GENERATOR CAUSED THE SIGNIFICANT MODIFICATION. IN THE ORIGINAL	EMERGENCY DIESEL GENERATORS	s	1	1			1		1	
			L	1			PERMIT, OCTOBER 21, 2004, THE EMERGENCY BLACK START GENERATOR WAS	HAVE NOT BEEN REQUIRED TO						1			
	NEARMAN CREEK POWER		EMERGENCY BLACK START	NO SELEC			A CATERPILLAR DIESEL GENERATOR (MODEL NO.: 3508 DITA) 900 KW. IT WAS CHANGED TO A CUMMINS POWER GENERATION DIESEL GENERATOR (MODEL	INSTALL ADDITIONAL NOX CONTROLS BECAUSE OF			FULL LOAD						NOT
KS-0028	CREEK POWER STATION		GENERATOR	OII	24.1	MMBTU/H	CHANGED TO A CUMMINS POWER GENERATION DIESEL GENERATOR (MODEL NO.: QSK78-G6) 2.8 MW.]	INTERMITTENT OPERATION.	0.4	LB/H	OPERATIONS	1		1			NOT AVAILABLE
IIX3-0026	DIATION	10/16/2005	GENERATOR	IOIL	24.1	IVIIVID I U/II	[PO., Qaic (0*G0) 2.0 MW.]	INTERMITTENT OFERATION.	84.	ILO/II	POLEKATIONS		4	1	1 0		ATAILABLE

		PERMIT															
RBLCID	FACILITY NAME	ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
KBLCID	NAME	DATE	EMERGENCY	FUEL	THROUGHFUT	UNII	PROCESS NOTES	DESCRIPTION	LIMITI	UNII	CONDITION	LIMIT 2	UNII	CONDITION	EMISSION LIMIT	UNII	CONDITION
			GENERATORS														
			(DOCK & amp; TANK FARM)				21-08: 1341 HP 22-08: 671 HP										
	GARYVILLE		(21-08 & amp; 22	-				USE OF DIESEL WITH A SULFUR			ANNUAL						
LA-0211	REFINERY	12/27/2006	08) DIESEL	DIESEL	1341	HP	GENERATORS PERMITTED FOR 182 H/YR EA.	CONTENT OF 15 PPMV OR LESS GOOD COMBUSTION PRACTICES	0.031	LB/HP-H	AVERAGE	(			0		
	CREOLE TRAIL		EMERGENCY					AND GOOD ENGINE DESIGN									
LA-0219	LNG IMPORT TERMINAL	8/15/2007	GENERATOR NOS. 1 & amp; 2	DIESEI	2168	HP EACH		INCORPORATING FUEL INJECTION TIMING RETARDATION (ITR)	37 95	LB/H	HOURLY	9.40	T/VR	ANNUAL MAXIMUM			
			EMERGENCY					,									
	LAKE CHARLES		DIESEL POWER														
	GASIFICATION		GENERATOR	DIESEL		HP EACH		COMPLY WITH 40 CFR 60 SUBPART		LB/H	MAXIMUM (EACH)		G/HP-H				
LA-0231	FACILITY	6/22/2009	ENGINES (2) Large Generator	DIESEL	1341	HP EACH		IIII	17.09	LB/H	(EACH)	5./8	G/HP-H		0		
	FLOPAM INC. FACILITY	4/26/2011	Engines (17				11 units: 591 hp 6 units: 1175 hp			LB/H	(591 HP UNITS)		LB/H	(1175 HP UNITS)		G/KW-H	(NOX + NMHC)
LA-0251		4/26/2011	EMERGENCY	Diesel	0	,	6 units: 11/5 hp		6.32	LB/H	(591 HP UNITS)	10.36	LB/H	(11/5 HP UNITS)	6.4	G/KW-H	(NOX + NMHC)
	AMMONIA PRODUCTION		DIESEL GENERATOR					Compliance with 40 CFR 60 Subpart IIII;									
*LA-0272	FACILITY	3/27/2013	(2205-B)	DIESEL	1200	HP	OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/YR.	good combustion practices.	0						6.4	G/KW-HR	NOX + NMHC
	SALEM HARBOR																
	STATION																
*MA-0039	REDEVELOPME NT	1/20/2014	Emergency Engine/Generator	III SD	7.	MMBtu/hr	â‰□ 300 hours of operation per 12-month rolling period S in ULSD: â‰□0.0015% by weight		1.9	G/HP-H	1 HR BLOCK AVG	11.4	LB/H	1 HR BLOCK AVG			
WIA-0037	181	1/30/2014	THREE (3)	CLSD	/.9	iviivii)iii	5 iii 01:50. and-0.001576 by weight		7.0	G/III-II	Avo	11.0	LDII	Avo	,		
			DIESEL (NO. 2 FUEL OIL)														
			FIRED,														
			EMERGENCY GENERATORS														
			EACH RATED														
			AT 2500 KILOWATTS														
	MEDIMMUNE		(3604 BRAKE														
MD-0037	FREDERICK CAMPUS	1/28/2008	HORSEPOWER	DIESEL (NO. 2 FUEL OIL)	2500	kw			6.06	G/HP-H		(	,		6.06	G/HP-H	
	WILDCAT			, , ,				LIMITED OPERATING HOURS, USE									
	POINT GENERATION		EMERGENCY	ULTRA LOW			40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD COMBUSTION	OF ULTRA- LOW SULFUR FUEL AND GOOD COMBUSTION									
*MD-0042	FACILITY PERRYMAN	4/8/2014	GENERATOR 1	SULFU DIESEL	2250	KW	PRACTICES	PRACTICES GOOD COMBUSTION PRACTICES.	4.8	G/HP-H		6.4	G/KW-H		0		
	GENERATING		EMERGENCY	ULTRA LOW SULFUR				LIMITED HOURS OF OPERATION,									
*MD-0043	STATION	7/1/2014	GENERATOR	DIESEL ULTRA LOW	1300	HP	40 CFR 60 SUBPART IIII, GOOD COMBUSTION PRACTICES	AND EXCLUSIVE USE OF ULSD GOOD COMBUSTION PRACTICES	4.8	G/HP-H		6.4	G/KW-H		0		
	COVE POINT		EMERGENCY	SULFUR			40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD COMBUSTION	AND DESIGNED TO ACHIEVE			COMBINED NOX			COMBINED NOX			
*MD-0044	LNG TERMINAL	6/9/2014	GENERATOR	DIESEL	1550	HP	PRACTICES	EMISSION LIMIT	4.8	G/HP-H	+ NMHC	6.4	G/KW-H	+ NMHC	0		
								No add-on controls, but ignition timing									
	WARREN TECHNICAL		Four (4)					retardation (ITR) is good design. Engines are tuned for low-NOx operation versus			EACH GENERATOR						
MI-0394	CENTER	2/29/2012	Emergency Generators	Diesel	2280	KW	Each generator is 2280 kW (3058 hp each). Standard generator sets.	low CO operation.	6.93	G/KW-H	ENGINE				0		
							Each emergency generator is 3010 kW each (4035 hp each). DRUPS stands for Diesel Rotary	No add-on controls, but ignition timing									
	WARREN		Nine (9) DRUPS				Uninterruptable Power supply system. The system provides for zero down-time in electrical	retardation (ITR) is good design. Engines			EACH						
MI-0394	TECHNICAL CENTER	2/29/2012	Emergency Generators	Diesel	3010	kw	energy supply at the onset of a power outage. The system stores energy in a fly-wheel that powers the generator until the diesel engine starts up.	are tuned for low-NOx operation versus low CO operation.	5 98	G/KW-H	GENERATOR ENGINE	۱ .					
		22,:2012			3010				3.90			<u> </u>					
	WARREN		Nine (9) DRUPS				Each generator is 3010 KW each (4035 hp each). DRUPS stands for Diesel Rotary Uninterruptable Power supply system. The system provides for zero down-time in electrical	No add-on controls, but ignition timing retardation (ITR) is good design. Engines			EACH						
MI-0395	TECHNICAL	#H210010	Emergency Generators			LW.	energy supply at the onset of a power outage. The system stores energy in a fly-wheel that	are tuned for low-NOx operation versus		G/KW-H	GENERATOR	.					
M1-0395	CENTER	7/13/2012		Diesel	3010	K.W	powers the generator until the diesel engine starts up.	low CO operation.  No add-on control, but ignition timing	5.98	G/KW-H	Litterite	+ (			0		
	WARREN TECHNICAL		Four (4)					retardation (ITR) is good design. Engines			EACH GENERATOR						
MI-0395	CENTER	7/13/2012	Emergency Generators	Diesel	2500	KW	Each generator is 2500 KW (3634 hp each). Standard generator sets.	are tuned for low-NOx operation versus low CO operation.	7.13	G/KW-H	ENGINE ENGINE	(			0		
			Turbine generator				This is a turbine generator identified in the permit as EUBLACKSTART. It has a throughput										
	WOLVERINE		(EUBLACKSTA				capacity of 540MMBTU/HR which equates to 102 MW. The maximum operation was based on				TEST						
*MI-0400	POWER	6/29/2011	RT)	Diesel	540	MMBTU/H	500 hours per year.  THIS IS A 1750 KW GENERATOR THAT WAS INSTALLED IN PLACE OF THE 670 HP		0.16	LB/MMBTU	PROTOCOL	- (	-		0		
	FAIRBAULT		EMERGENCY	[ l			GENERATOR (LISTED AS A ' ' IC ENGINE, LARGE, FUEL OIL) IN MN-				3 HOUR						
MN-0071	ENERGY PARK CONCORD	6/5/2007	GENERATOR	NO. 2	1750	KW	0053	LESS THAN 500 HOURS OF	0.024	LB/HP-H	AVERAGE OF 3 1	. (	1		0		
	STEAM		EMRGENCY	Damana Marie				OPERATION PER CONSECUTIVE 12		I B/MMRTII	HOUR TEST						
NH-0015	CORPORATION	2/27/2009	GENERATOR 1	DIESEL FUEL	5.6	MMBTU/H	OPERATES LESS THAN 500 HOURS PER CONSECUTIVE 12 MONTH PERIOD	MONTH PERIOD OPERATES LESS THAN 500 HOURS	1.98	LB/MMBTU	AVERAGE OF 3 1	. (	1	1	- 0		
	STEAM		EMERGENCY	numany			OPERATES LESS THAN 500 HOURS PER CONSECUTIVE 12 MONTH PERIOD AND	PER CONSECUTIVE 12 MONTH			HOUR TEST						
NH-0015	CORPORATION WOODBRIDGE	2/27/2009	GENERATOR 2	DIESEL FUEL	11.6	MMBTU/H	PRIMARY USE IS TO START UP BOILER 1 AFTER A POWER OUTAGE.	PERIOD.	1.98	LB/MMBTU	RUNS	+ (	1		0		
NII 0050	ENERGY	manar :-	Emergency	Ultra Low Sulfur		HAZD	The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with 15 ppm %	II CHICD E 1 "		I Day							
NJ-0079	CENTER HESS NEWARK	7/25/2012	Generator	distillate Diesel	100	H/YR	Sulfur by weight only	Use of ULSD diesel oil	21.16	LB/H		1			0		
	ENERGY	I	Emergency	1	I			use of ultra low sulfur diesel (ULSD) a	1		1	1		1	1	1	
NJ-0080	CENTER	11/1/2012	Ct	ULSD	200	H/YR		clean fuel	10.53	LB/H	1		il.	1			

								I									1
RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
				İ			UNIT FL12 IS A DETROIT DIESEL GENERATOR AT FLAMINGO LAS VEGAS. LIKE										
			SMALL INTERNAL				ALL THE OTHER DIESEL GENERATORS, THE UNIT IS SUBJECT TO THE LIMIT OF MONTHLY AND ANNUAL OPERATING TIMES FOR 2 HOURS PER MONTH AND 36										
			COMBUSTION				HOURS PER YEAR RESPECTIVELY. EMISSION FACTORS LISTED IN AP-42 ARE										
	HARRAH'S OPERATING		ENGINE (<600 HP) -				USED TO CALCULATE THE EMISSION LIMITS FOR EACH AND EVERY DIESEL GENERATOR IN THIS MAJOR STATIONARY SOURCE, AND ARE NOT REPEATED	THE UNIT IS EQUIPPED WITH A									
NV-0049	COMPANY, INC.	8/20/2009	UNIT FL12	DIESEL OIL	536	HP	FURTHER FOR REPORTING THE BACT DETERMINATIONS.	TURBOCHARGER.	0.031	LB/HP-H		16.62	LB/H		0.031	LB/HP-H	
	,		DIESEL														
			EMERGENCY GENERATORS	]			THE SEVEN UNITS ARE IDENTICAL CATERPILLAR DIESEL EMERGENCY GENERATORS, EACH OF WHICH IS RATED AT 3.622 HORSEPOWER (HP).										
			UNITS CC009				OPERATION OF EACH OF THE UNITS IS LIMITED TO ONE HOUR/DAY AND										
			THRU CC015				TWELVE HOURS/YEAR FOR TESTING AND MAINTENANCE PRUPOSES ONLY. THE										
NV-0050	MGM MIRAGE	11/30/2009	AT CITY CENTER	DIESEL OIL	3622	HP	EMISSION LIMITS ARE BASED ON THE ATC PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	TURBOCHARGER AAND AFTER- COOLER	0.01	LB/HP-H		37.4	LB/H		0.01	LB/HP-H	
117 0030	MOM MICROE	11/30/2007		DIESEE GIE	3022		THE TWO UNITS ARE IDENTICAL CATERPILLAR GENERATORS MODEL 3512C.	COOLER	0.01			37.1	LLDIII		0.01	LD	
			EMERGENCY GENERATORS				EACH UNIT HAS A FOUR-STROKE COMPRESSION-IGNITION ENGINE RATED AT 2,206 HORSE POWER (HP). THE EMISSION LIMITS REPORTED HEREIN ARE BASED										
			UNITS LX024	1			ON THE ATC PERMIT FOR MODIFICATION #10 DATED SEPTEMBER 20, 2006. EACH										
			AND LX025 AT	· [			UNIT IS ALLOWED TO OPERATE UP TO ONE HOUR PER DAY AND FIFTY TWO	COOLING, AND LEAN-BURN									
NV-0050	MGM MIRAGE	11/30/2009	LUXOR	DIESEL OIL	2206	HP	HOURS PER YEAR. 2922 MAXIMUM HORSE POWER	TECHNOLOGY	0.0131	LB/HP-H		28.98	LB/H		0.0131	LB/HP-H	
							SUBJECT TO NSPS SUBPART IIII. WILL INSTALL NON-RESETTABLE HOUR METER										
							PRIOR TO STARTUP PER 40 CFR 60.4209(A)	GOOD COMBUSTION PRACTICES, GOOD ENGINE DESIGN, IGNITION			1						FOR NMHC
	OHIO RIVER						DIESEL FUEL SHALL MEET THE REQUIREMENTS OF 40 CFR 80.510 AND 60.4207:	TIMING RETARD, TURBOCHARGER,									AND NOX
	CLEAN FUELS,		EMERGENCY	DIESEL FUEL			SULFUR CONTENT OF 15 PPM MAXIMUM, CETANE INDEX OF 40 MINIMUM OR	AND LOW-TEMPERATURE						PER ROLLING 12			COMBINED 95%
OH-0317	LLC OREGON	11/20/2008	GENERATOR	OIL	2922	HP	AROMATIC CONTENT OF 35 VOLUME % MAXIMUM	AFTERCOOLER	26.47	LB/H	+	6.61	I T/YR	MONTH PERIOD	6.4	G/KW-H	NOX
	CLEAN ENERGY		Emergency					Purchased certified to the standards in						PER ROLLING 12			
*OH-0352	CENTER	6/18/2013	generator EMERGENCY	diesel	2250	KW	Emergency diesel fired generator restricted to 500 hours of operation per rolling 12-months.	NSPS Subpart IIII	27.8	LB/H	1	6.95	T/YR	MONTHS	0		SEE NOTES
			DIESEL					USE OF LOW SULFUR NO.2 FUEL	1								1
	HUGO		INTERNAL					OIL COMBINED WITH GOOD									
	GENERATING		COMBUSTION					COMBUSTION PRACTICES AND			ann Mam						
OK-0118	STA	2/9/2007	ENGINES					LIMITED ANNUAL OPERATION	- 0		SEE NOTE	- 0	)		0		
	MID AMERICAN																
OK-0128	STEEL ROLLING MILL	0.00/2000	Emergency Generator	No. 2 diesel	1200	IIID		5001	15.0	LB/H		1	T/YR		5.00	G/HP-H	
OK-0128	MILL	9/8/2008	EMERGENCY	No. 2 diesei	1200	HP		500 hours per year operations	15.0	LB/H		3.9	7 1/Y K		5.90	G/HP-H	-
			DIESEL														
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	GENERATOR (2200 HP)	LOW SULFUR DIESEL	2200	IID			22.16	LB/H			G/KW-H	NSPS			
OK-0129	FOWER FLANT	1/23/2009	MOBILE	DIESEL	2200	nr			23.13	LD/II		0.4	+ G/KW-FI	NSFS			
	MERCK & CO.		EMERGENCY														
PA-0271	WESTPOINT MOXIE LIBERTY	2/23/2007	GENERATOR	DIESEL					6.8	G/HP-H		8.3	3 T/YR		0		
	LLC/ASYLUM		Emergency														
PA-0278	POWER PL T JOHNSON	10/10/2012	Generator 650-KW	Diesel	0		The emergency generator will be restricted to operate not more than 100 hr/yr.		4.93	G/HP-H		0	)		4.93	G/B-HP-H	
	MATTHEY		BACKUP				The permittee shall ensure that the Backup Diesel Generator shall not be operated more than fifty (50) hours per year as a 12-month rolling sum.										
	INC/CATALYTIC		DIESEL				The permittee may not, at any time, use commercial fuel oil as fuel for the Backup Diesel										
*PA-0282	SYSTEMS DIV JOHNSON	6/1/2012	GENERATOR 400-KW	Diesel / #2 Oil	45.8	GAL/H	Generator which contains sulfur in excess of 0.3% by weight.		6.9	G/HP-H		11.34	LB/H		0		
	MATTHEY		DIESEL														
	INC/CATALYTIC		EMERGENCY														
*PA-0282	SYSTEMS DIV HICKORY RUN	6/1/2012	GENERATOR	#2 Oil	29.2	GAL/H			6.9	G/HP-H	-	- 0	)	12-MONTH	0		
	ENERGY		EMERGENCY	Ultra Low sulfur										ROLLING			
*PA-0291	STATION	4/23/2013	GENERATOR DIESEL	Distillate	7.8	MMBTU/H	EMERGENCY GENERATOR (1,135 BHP - 750 KW)	1	9.89	LB/H		0.49	T/YR	TOTAL	0		-
			GENERATOR						1								1
	ML 35		(2.25 MW						1								1
*PA-0292	LLC/PHILA CYBERCENTER	6/1/2012	EACH) - 5	#2 Oil		J	Engines are equipped with SCR and CO Oxidation catalyst	SCR	0.00	G/KW-H	1		T/YR	12-MONTH ROLLING SUM			1
rA-0292	ENERGY	6/1/2012	UNIIS	#2 OII	1 0		Engines are equipped with SCR and CO Oxidation catalyst	SCR.	0.67	G/KW-H	1	0.41	I/YK	KULLING SUM	0		+
	ANSWERS										1						1
	ARECIBO PUERTO RICO																1
	RENEWABLE										1						1
*DD 0000	ENERGY PROJECT	,	Emergency	ULSD Fuel oil #		]	Emergency Generator is rated at 670 BHP and is limited to 500 hr per year (emergency and			G/HP-H	1		LB/H				1
*PR-0009	PROJECT	4/10/2014	Diesel Generator EMERGENCY	12	1 0	1	testing and maintenance, combined) THE CONSTRUCTION PERMIT AUTHORIZES THE CONSTRUCTION OF EIGHT (8)	1	2.85	G/HP-H	+	4.2	LB/H		0		+
	PYRAMAX		GENERATORS				IDENTICAL EMERGENCY GENERATORS. THIS PROCESS AND POLLUTANT	ENGINES MUST BE CERTIFIED TO	1								1
SC-0113	CERAMICS, LLC	2/8/2012	1 THRU 8 DIESEI	DIESEL	757	HP	INFORMATION IS FOR ONE SINGLE EMERGENCT GENERATOR.	COMPLY WITH NSPS, SUBPART IIII.	4	G/KW-H	+		1		0		+
	GP ALLENDALE		EMERGENCY				THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR TESTING OR				1						1
SC-0114	LP	11/25/2008	GENERATOR	DIESEL	1400	НР	EMERGENCY PURPOSES.		11.41	LB/H		2.85	T/YR		0		1
		,					THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR TESTING OR					1	ľ				1
							EMERGENCY PURPOSES.	TUNE-UPS AND INSPECTIONS WILL	1								1
			DIESEL					BE PERFORMED AS OUTLINED IN			1						1
CC 011F	GP CLARENDON		EMERGENCY	DIECEI		Lup	THE DIESEL EMERGENCY GENERATOR IS LIMITED TO 500 HOURS OF OPERATION	THE GOOD MANAGEMENT PRACTICE PLAN.			1		TAND				1
SC-0115	ARGOS	2/10/2009	GENERATOR	DIESEL	1400	nr nr	PER YEAR.	PLAN.	11.41	LB/H	+	2.85	T/YR	_	0		+
	HARLEYVILLE		EMERGENCY								1						1
*SC-0132	PLANT	12/14/2007	GENERATOR	DIESEL	1000	kw			0		1	0			0		1
				_				•					•	_			

		PERMIT															
	FACILITY	ISSUANCE	PROCESS	PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	NAME	DATE	NAME	FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
	DEER CREEK		Emergency														
*SD-0005	STATION	6/29/2010	Generator	Distillate Oil	2000	Kilowatts			0			(			0		
							Two mergency diesel fired generators proposed. Each engine will be 4000 kW.										
							Ultra low sulfur fuel is burned in the engines to meet the sulfur requirement of 15										
							ppm in 40CFR80.510(b). Each emergency engine is being permitted for	emission factor is based on EPA's									
				ultra low sulfur			maintenance and testing for maximum 100 hrs/yr. They are not being permitted for										
*TX-0671	PROJECT JUMBO	12/1/2014	Engines	diesel fuel	0		the actual emergency emissions	NOx	5.43	G/KW-H		2.39	TPY		0		
							. (50) 47 4 4)										
							The emergency generator (EPN 17-1-4) at the site is diesel fired and rated at 1500										
							horsepower (hp). Lowest Achievable Emission Rates (LAER) for nitrogen oxides (NOx) is the use of a 40 Code Federal Rules (CFR) Part 89 Tier 2 engine and limited										
							hours of operation. Emissions from the engine shall not exceed 0.0218 grams per										
							horsepower-hour (g/hp-hr) of nitrogen oxides (NOx). The engine is limited to 52										
							hours per year of non-emergency operation.										
							Emissions from the engine shall not exceed 0.01256 g/hp hr of carbon monoxide										
							(CO). The fuel for the engine is limited to 15 parts per million sulfur by weight (ultra										
							low sulfur diesel). The engine is limited to 52 hours per year of non-emergency										
							operation.										
	PEONY						Also applicable: 40CFR60 IIII Standards of Performance for Stationary Compression										
	CHEMICAL		Emergency				Ignition Internal Combustion Engine and										
	MANUFACTURIN		Diesel				40CFR63 ZZZZ. National Emissions Standards For Hazardous Air Pollutants For	Minimized hours of operations Tier I	ıl								
*TX-0728	G FACILITY	4/1/2015	Generator	Diesel	1500	hn	Stationary Reciprocating Internal Combustion Engines.	engine		G/HP-H		0.35	TPY		0		
	BP CHERRY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						THE ENGINE MUST BE NEW AND									
	POINT							MUST SATISFY THE FEDERAL ENGINE									
	COGENERATION		EMERGENCY					STANDARDS OF 40 CFR 89 FOR YEAR									
WA-0328	PROJECT	1/11/2005	GENERATOR	DIESEL FUEL	1.5	MW		OF PURCHASE.	0						0		*SEE NOTES
	DARRINGTON																
	ENERGY																
	COGENERATION		STANDBY					ENGINE MUST BE NEW AND SATISFY	1								
WA-0329	POWER PLANT	2/11/2005	GENERATOR	DIESEL FUEL	1	MW		FEDERAL STANDARDS @ 40 CFR 89	0		SEE NOTE				0		
	MOUNDSVILLE																
	COMBINED																
	CYCLE POWER		Emergency													l .	
*WV-0025	PLANT	11/21/2014		Diesel	2015.7	HP	Nominal 1,500 kW. Limited to 100 hours/year.	1	0		1	1 0	1		4.8	G/HP-HR	NMHC + NOX
	CHEYENNE PRAIRIE		Diesel														
	GENERATING		Emergency Generator	Ultra Low													
******	STATION	8/28/2012		Sulfur Diesel	839	ho		EPA Tier 2 rated	.			,	J				
*WY-0070	STATION	8/28/2012	((ELT2)	Sullur Diesel	839	np		EPA TIET Z Tated	1				'		1 0		

		PERMIT															
RBLCID		ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
KBLCID		D.C.L.	Black Start and	ICLL	- Intocom cr	0.112		DESCRIPTION		0.111		La.m.r.z	10	CONDITION	Liniosion Linii	10.111	CONDITION
*AK-0084	DONLIN GOLD PROJECT	6/20/2015	Emergency Internal	Diesel	1500	kWe	Two (2) 600 kWe black start diesel generators and four (4) 1,500 kWe emergency	Cond Combustion Prosting	4.29	G/KW-HR	3-HOUR AVERAGE						
*AK-0084	LAKE CHARLES		Cumbustion Engines Diesel Engines	Diesei			diesel generators.	Good Combustion Practices	4.38	G/KW-HK	AVERAGE		0		-	<del>'</del>	
LA-0305	METHANOL FACILITY	6/30/2016	(Emergency)	Diesel	4023	hp		Complying with 40 CFR 60 Subpart IIII	0				0		(	)	
	ST. JAMES METHANOL		DEG1-13 - Diesel Fired Emergency Generator														
*LA-0312	PLANT	6/30/2017	Engine (EQT0012)	Diesel	1474	horsepower	Operating hours limit: 100 hr/yr.	Compliance with NSPS Subpart IIII	0.51	LB/HR			0		(	)	
								Compliance with NESHAP 40 CFR 63 Subpart ZZZZ and NSPS 40 CFR 60									
								Subpart IIII, and good combustion									
LA-0313	ST. CHARLES POWER STATION	9/21/2014	SCPS Emergency Diesel Generator 1	Dissal	2584	IID		practices (use of ultra-low sulfur diesel	14.01	LB/H	HOURLY MAXIMUM	١,	.7 T/YR	ANNUAL MAXIMUM	,,		
LA-0313	CAMERON LNG		emergency generator	Diesei				ruei).	14.81	LB/H	MAXIMUM	,	./ I/YK	MAXIMUM	2.0	1	
LA-0316	FACILITY	2/17/2017	engines (6 units)	diesel	3353	hp	V CDD 1001 W CDD 1001	Complying with 40 CFR 60 Subpart IIII	0				0		(	)	
	METHANEX - GEISMAR		Emergency Generator				I-GDE-1201, II-GDE-1201 = 2346 hp I-GDE-1202 = 755 hp	complying with 40 CFR 60 Subpart IIII									
LA-0317	METHANOL PLANT	12/22/2016	Engines (4 units)	Diesel	0	1	I-GDE-1203 = 1193 hp	and 40 CFR 63 Subpart ZZZZ	0				0		(	)	
			Emergency Diesel Generator Engine								TEST PROTOCOL			TEST PROTOCOL			
	GRAYLING		(EUEMRGRICE in				One emergency diesel generator engine rated at 1600 kW (EUEMRGRICE in				WILL SPECIFY			WILL SPECIFY			
MI-0421	PARTICLEBOARD	8/26/2016	FGRICE)	Diesel	500	H/YR	FGRICE).	Good design and combustion practices.	3.5	G/KW-H	AVG TIME	12.3	35 LB/H	AVG TIME	-	)	
							a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine				TEST						
			ELIEN MENICONIE (D. 1				manufactured in 2011 or later and a displacement of <10 liters/cylinder. Restricted				PROTOCOL						
MI-0423	INDECK NILES, LLC	1/4/2017	EUEMENGINE (Diesel fuel emergency engine) EUEMRGRICE1 in	Diesel Fuel	22.68	MMBTU/H	to 4 hours/day, except during emergency conditions and stack testing, and 500 hours/year on a 12-month rolling time period basis.	Good combustion practices and meeting NSPS Subpart IIII requirements.	3.5	G/KW-H	SHALL SPECIFY AVG TIME		0				
			EUEMRGRICE1 in								TEST			TEST			
MI-0425	GRAYLING PARTICLEBOARD	5/9/2017	FGRICE (Emergency diesel generator engine)	Diesel	500	H/YR	One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE1 in FGRICE).	Good design and combustion practices.	3.5	G/KW-H	PROTOCOL SHALL SPECIFY	11	.6 LB/H	PROTOCOL SHALL SPECIFY	"		
111 0 123	THETELLIOTUS	3/3/2017		Dieses	200	TE TR	i dice.	Cood design and comounton practices.	5.5	GIKW II			.0 11011		,		
	GRAYLING		EUEMRGRICE2 in FGRICE (Emergency				One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE2 in				TEST PROTOCOL			TEST PROTOCOL			
MI-0425	PARTICLEBOARD	5/9/2017	Diesel Generator Engine)	Diesel	500	H/YR	FGRICE).	Good design and combustion practices.	3.5	G/KW-H	SHALL SPECIFY	3	.9 LB/H	SHALL SPECIFY		)	
			EUEMENGINE (North				A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model										
	MEC NORTH, LLC AND		Plant): Emergency				year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with Tier IV emission standards. Equipped with a diesel	Good combustion practices and meeting									
*MI-0433	MEC SOUTH LLC	6/29/2018	Engine	Diesel	1341	HP	particulate filter.	NSPS Subpart IIII requirements.	3.5	G/KW-H	HOURLY		0		(	)	
			EUEMENGINE (South				A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency engine with a model yea of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to	r									
	MEC NORTH, LLC AND		Plant): Emergency				be compliant with Tier IV emission standards. Equipped with a diesel particulate	Good combustion practices and meeting									
*MI-0433	MEC SOUTH LLC BELLE RIVER	6/29/2018	Engine	Diesel	1341	HP	filter.  A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later	NSPS IIII requirements.	3.5	G/KW-H	HOURLY	-	0		(		
	COMBINED CYCLE		EUEMENGINE:				and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified										
*MI-0435	POWER PLANT POINT THOMSON	7/16/2018	Emergency engine	Diesel	2	MW	engine subject to NSPS IIII.	State of the art combustion design.	3.5	G/KW-H	HOURLY		0		(	)	
	PRODUCTION		Combustion of Diesel by														
AK-0076	FACILITY	8/20/2012	ICEs	ULSD	1750	kW	Diesel-fired generators		3.5	G/KW-H			0		(	)	
	POINT THOMSON PRODUCTION		Emergency Camp	Ultra Low Sulfur													
*AK-0082	FACILITY	1/23/2015	Generators	Diesel	2695	hp	Three 2,695 hp ULSD-fired Standby Camp Generator Engines.		2.6	G/HP-H			0		(	)	
	POINT THOMSON PRODUCTION		Bulk Tank Generator	Ultra Low Sulfur													
*AK-0082	FACILITY	1/23/2015	Engines	Diesel	891	hp	Two ULSD-fired 891 hp Bulk Tank Storage Area Generator Engines		2.6	G/HP-H			0		(	)	
AL-0251	HILLABEE ENERGY CENTER	9/24/2008	EMERGENCY GENERATOR	DIESEL	600	EKW		GOOD COMBUSTION PRACTICES					0		(		
	ARIZONA CLEAN		EMERGENCY	NO. 2 DIESEL	-			GOOD COMBONION TRACTICES							<u> </u>	1	NOT
AZ-0046	FUELS YUMA VICTORVILLE 2	4/14/2005	GENERATOR	FUEL	10.9	MMBTU/H	EQUIPMENT IDENTIFIED BY ID # S-29100		3.5	G/KW-H		-	0		-		AVAILABLE
	HYBRID POWER							OPERATIONAL RESTRICTION OF 50					1				
CA-1191	PROJECT PALMDALE HYBRID	3/11/2010	EMERGENCY ENGINE EMERGENCY IC	DIESEL	2000	KW	2000 KW (2,683 hp) engine	HR/YR	3.5	G/KW-H		2	.6 G/HP-H	+	(		+
CA-1212	POWER PROJECT	10/18/2011		DIESEL	2683	HP	UNIT IS 2000 KW.		3.5	G/KW-H			.6 G/HP-H				
	SHADY HILLS							PURCHASED MODEL IS AT LEAST AS STRINGENT AS THE BACT	1		3 ONE HOUR						
	GENERATING		2.5 MW EMERGENCY	ULTRA LOW S				VALUES UNDER EPA'S			TEST RUNS BY						
FL-0310	STATION	1/12/2009	GENERATOR	OIL	2.5	MW	MAXIMUM HOURS OF OPERATION: 500 HRS/YR	CERTIFICATION.	8.5	G/HP-H	EPA METHOD 10		0		-	)	
							Two emergency generators, each rated at 2,000 kW, will be installed to provide										
							backup electrical power in the event of a power outage at the SRF facility. The										
							engines will fire ULSD fuel oil or propane and each will be limited to 500 hours per year of operation during emergencies. Each unit will be operated no more than 100										
	SWEET SORGHUM-TO-						hours per year for testing and maintenance purposes per 40 CFR 60. Subpart IIII										
FL-0322	ETHANOL ADVANCED	12/22/2016	Emergency Generators, Two 2682 HP EA	III SD			Each engine will be designed to meet USEPAâ€TMs emission standards listed in 40 CFR Part 60 Subpart IIII for model year 2006 or later.		1	G/KW-H					] .	,	
FL-0322	DIOREFINERT	12/25/2010	1 WO 2082 HP EA	ULSD	1 0		CFK Part 00 Suppart HH for model year 2006 or later.		3.3	G/KW-H	1		0	+	+ '	+	+
	PAUL HOLV OR COS							Use of good combustion practices, based			12 1401						
	ENI - HOLY CROSS	1	Emergency Engine	Diesel	580	HP	MAN D-2842 LE model engine	on the current manufacturer's specifications for this engine	0.09	T/YR	12-MONTH ROLLING	,,	82 G/HP-H		"		
*FL-0328	DRILLING PROJECT	10/27/2011					The second secon	-,	0.05		- COLLEGE	2.0			+ '	1	
*FL-0328	DRILLING PROJECT	10/27/2011	Emergency Engine								1						
*FL-0328	DRILLING PROJECT	10/27/2011	Emergency Engine				One emergency generator rated at 2,000 kW (2,682 HP) will be installed to provide backup electrical power in the event of a power outage at the HEF facility. The										
*FL-0328		10/27/2011	Emergency Engine				backup electrical power in the event of a power outage at the HEF facility. The generator will fire ULSD fuel oil or natural gas and will be limited to 500 hours per										
*FL-0328	HIGHLANDS	10/27/2011	Lines gency Engine				backup electrical power in the event of a power outage at the HEF facility. The generator will fire ULSD fuel oil or natural gas and will be limited to 500 hours per year of operation during emergencies. The unit will be operated no more than 100										
			2000 KW Emergency Equipment				backup electrical power in the event of a power outage at the HEF facility. The generator will fire ULSD fuel oil or natural gas and will be limited to 500 hours per	See Pollutant Notes.		G/KW-H							

		PERMIT ISSUANCE		PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	FACILITY NAME	DATE	PROCESS NAME	FUEL	THROUGHPUT		PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
FL-0332	HIGHLANDS BIOREFINERY AND COGENERATION PLANT	9/23/2011	600 HP Emergency	Ultra-Low Sulfur	0		One 600 hp diesel fire pump engine will be installed to provide firewater during power outages. This unit will fire ULSD fuel oil or natural gas and will be limited to 500 hours per year of operation. This unit will be operated no more than 100 hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The engine will be designed to meet US EPAåE <sup>(PN, S)</sup> emission standards listed in 40 CFR Part 60 Subpart III for modely ear 2009 or latter.	See Pollutant Notes.	2.6	G/HP-H							
							,	Use of good combustion practices based									
*FL-0338	SAKE PROSPECT DRILLING PROJECT	5/30/2012	Emergency Generator Diesel Engine - Development Driller 1	Diesel	2229	hp		on the current manufactures to used on the current manufactures of the specifications for these engines, use of low sulfur diesel fuel, positive crankcase ventilation, turbocharger with aftercooler, high pressure fuel injection with aftercooler	0.37	T/YR	PER YEAR 12 MONTH ROLLING TOTAL		)		C		
*FL-0338	SAKE PROSPECT DRILLING PROJECT	5/30/2012	Emergency Generator Diesel Engine - C.R. Luigs	diesel	2064	hp	Caterpillar D3516A 1998	Use of good combustion practices based on the current manufacturerië™s, specifications for these engines, use of low sulfur diesel fuel, positive crankcase ventilation, turbocharger with aftercooler, high pressure fuel injection with aftercooler aftercooler	0.34	T/YR	PER YEAR 12 MONTH ROLLING TOTAL						
			Four 3100 kW black start			MMBtu/hr (HHV)											
*FL-0346	LAUDERDALE PLANT	4/22/2014	emergency generators	ULSD	2.32	per engine	Fired with ULSD	Good combustion practice	3.5	G/KW-H			)		0		
*FL-0346	LAUDERDALE PLANT	4/22/2014	Emergency fire pump engine (300 HP)	USLD	29	MMBtu/hr	Emergency engine. BACT = NSPS IIII.	Good combustion practice.	3.5	G/KW-H					0		
*FL-0347	ANADARKO PETROLEUM CORPORATION - EGOM	9/16/2014	Main Propulsion Generator Diesel Engines	Diesel	9910	hp	Four 1998 Wartsila 18V32LNE 9910 hp and Two 1998 Wartsila 12V32LNE 6610 hp	Use of good combustion practices based on the most recent manufacturer's specifications issued for engines and with turbocharger, aftercooler, and high injection pressure	0.8	G/KW-H	ROLLING 24 HOUR AVERAGE	€ (	D		0		
*FL-0347	ANADARKO PETROLEUM CORPORATION - EGOM	9/16/2014	Emergency Diesel Engine	Diesel	3300	hp	1998 Wartsila 6R32LNE	Use of good combustion practices based on the most recent manufacturer's specifications issued for engines and with turbocharger, aftercooler, and high injection pressure	0						0		
IA-0088	ADM CORN PROCESSING - CEDAR RAPIDS	6/29/2007	EMERGENCY GENERATOR	DIESEL	1500	KW	THREE 1,500 KW EMERGENCY GENERATORS ARE BEING INSTALLED AS A PART OF THIS PROJECT. PERMITS 07-A-542-P, 07-A-576-P AND 07-A 577-P. THE PROJECT ALSO INCLUDES THE INSTALLATION OF ONE 2,00 KW EMERGENCY GENERATOR. PERMIT 07-A-578-P. ALL FOUR EMERGENCY GENERATOR. BEAMT 07-A-578-P. ALL FOUR EMERGENCY GENERATORS HAVE THE SAME SHORT TERM BACT LIMITS AND DIFFERENT TONYR BACT LIMIT.	INCERON PROSULTS OF THE CONTROL TECHNOLOGY IS SPECIFED ENGINE IS REQUIRED TO MEET LIMITS ESTABLISHED AS BACT (TIER 2 NOROAD). THIS COULD REQUIRE ANY NUMBER OF CONTROL TECHNOLOGIES AND OPERATIONAL REQ. TO MEET THE BACT STANDARD.	2.6	G/HP-H	AVERAGE OF 3 TEST RUNS	2.83	S T/YR	12-MONTH ROLLING TOTAL			
	TATE & LYLE INDGREDIENTS		EMERGENCY								AVERAGE OF			12-MONTH ROLLING			
IA-0095	INDGREDIEN IS AMERICAS, INC. IOWA FERTILIZER	9/19/2008	GENERATOR GENERATOR	DIESEL	700	KW			3.5	G/KW-H	THREE STACK TEST RUNS AVERAGE OF 3 STACK TEST	1.35	5 T/YR	TOTAL ROLLING 12	0		
IA-0105	COMPANY CF INDUSTRIES NITROGEN, LLC -	10/26/2012	Emergency Generator	diesel fuel	142	GAL/H	rated @ 2,000 KW	good combustion practices	3.5	G/KW-H	RUNS AVERAGE OF THREE (3)	3.80	5 T/YR	MONTH TOTAL ROLLING	0		
	PORT NEAL NITROGEN										STACK TEST			TWELVE (12)			
*IA-0106	COMPLEX POWER COUNTY ADVANCED ENERGY CENTER		2 MW EMERGENCY	ASTM #1, 2, DIESEL	2000	GAL/H	There are two (2) identically sized generators.	good combustion practices  GOOD COMBUSTION PRACTICES. EPA CERTIFIED PER NSPS IIII	3.5	G/KW-H	RUNS SEE NOTE	2.5.	2 T/YR	MONTH TOTAL			
ID-0017	POWER COUNTY	2/10/2009	500 KW EMERGENCY		2000	W.W	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE		1 0		SEE NUTE	<u> </u>	1				<del>                                     </del>
ID-0017	ADVANCED ENERGY CENTER	2/10/2009	GENERATOR, FIRE PUMP, SRC26	ASTM #1, 2, DIESEL	500	KW	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	GOOD COMBUSTION PRACTICES. EPA CERTIFICATION PER NSPS IIII. TIER 2 ENGINE-BASED,	0		SEE NOTE	-			0	-	
ID-0018	LANGLEY GULCH POWER PLANT	6/25/2010	EMERGENCY GENERATOR ENGINE	DIESEL	750	KW	COMPRESSION IGNITION INTERNAL COMBUSTION (CI ICE)	GOOD COMBUSTION PRACTICES (GCP)	3.5	G/KW-H							
*IL-0114	CRONUS CHEMICALS, LLC		Emergency Generator	distillate fuel oil	3755			Tier IV standards for non-road engines at 40 CFR 1039.102, Table 7.		G/KW-H					0		
	ST. JOSEPH ENEGRY		TWO (2) EMERGENCY				THE TWO INTERNAL COMBUSTION ENGINES, IDENTIFIED AS EG01 AND						HOURS OF OPERATIO				
*IN-0158	CENTER, LLC	12/3/2012	DIESEL GENERATORS	DIESEL	1006	HP EACH	EG02, EXHAUST THROUGH TWO (2) VENTS.	AND USAGE LIMITS	2.6	G/HP-H		500	HOURS OF	YEARLY	0		
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	EMERGENCY DIESEL GENERATOR	DIESEL	2012	HP	THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03, EXHAUSTS THROUGH ONE (1) VENT.	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS GOOD COMBUSTION PRACTICES	2.6	G/HP-H	3 HOURS	500	OPERATIO N	YEARLY	0		
*IN-0166	INDIANA GASIFICATION, LLC	6/27/2012	TWO (2) EMERGENCY GENERATORS	DIESEL	1341	HORSEPOWER, EACH	IDENTIFIED AS EU-009A AND EU-009B	GOOD COMBUSTION PRACTICES AND LIMITED HOURS OF NON- EMERGENCY OPERATION	0						0		
-D104	MIDWEST FERTILIZER		DIESEL FIRED EMERGENCY				ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS.										
*IN-0173	CORPORATION	6/4/2014	GENERATOR DIESEL-FIRED	NO. 2, DIESEL	3600	BHP	INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	2.61	G/HP-H	3-HR AVERAGE	+ '	)		1 0		
*IN-0179	OHIO VALLEY RESOURCES, LLC	9/25/2013	EMERGENCY GENERATOR DIESEL FIRED	NO. 2 FUEL OIL	4690	B-HP	ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS.	GOOD COMBUSTION PRACTICES	2.61	G/HP-H	3-HR AVERAGE	(			0		<u> </u>
*IN-0180	MIDWEST FERTILIZER CORPORATION	6/4/2014	EMERGENCY GENERATOR	NO. 2, DIESEL	3600	ВНР	ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS. INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	2.61	G/HP-H	3-HR AVERAGE				0		

		PERMIT ISSUANCE		PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	FACILITY NAME	DATE	PROCESS NAME	FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
							THE CUMMINS POWER GENERATION DIESEL GENERATOR (MODEL NO. 958/TS-66) SHALL ONLY COMBUST NO. 2 FUEL OIL WITH VERY LOW SULFUR CONTENT AS THE PRIMARY FUEL TYPE. THERE WILL BE NOS SECONDARY FUEL FOR BACKUP. [NOTE: THE INCREASE IN SIZE OF THE EMERGENCY BLACK START GENERATOR CAUSED THE SIGNIFICANT MODIFICATION. IN THE ORIGINAL PERMIT, OCTOBER 21, 2004. THE EMERGENCY BLACK START GENERATOR WAS A										
CS-0028	NEARMAN CREEK POWER STATION	10/18/2005	EMERGENCY BLACK START GENERATOR	NO. 2 FUEL OIL	24.	MMBTU/H	CATERPILLAR DIESEL GENERATOR (MODEL NO.: 3508 DITA) 900 KW. IT WAS CHANGED TO A CUMMINS POWER GENERATION DIESEL GENERATOR (MODEL NO.: QSK78-G6) 2.8 MW.]	GOOD ENGINE DESIGN IS PROPOSED AS BACT	7.01	LB/H	FULL LOAD OPERATIONS	0					NOT AVAILABLE
			EMERGENCY GENERATORS (DOCK & Amp; TANK FARM)				21-08: 1341 HP 22-08: 671 HP	USE OF DIESEL WITH A SULFUR			ANNUAL						
_A-0211	GARYVILLE REFINERY	12/27/2006	(21-08 & Samp; 22-08) DIESEL EMERGENCY	DIESEL	134	HP	GENERATORS PERMITTED FOR 182 H/YR EA.	CONTENT OF 15 PPMV OR LESS GOOD COMBUSTION PRACTICES AND GOOD ENGINE DESIGN	0.0067	LB/HP-H	AVERAGE	0					
_A-0219	CREOLE TRAIL LNG IMPORT TERMINAL LAKE CHARLES	8/15/2007	GENERATOR NOS. 1 & amp; 2 EMERGENCY DIESEL	DIESEL	216	HP EACH		INCORPORATING FUEL INJECTION TIMING RETARDATION (ITR)	12.24	LB/H	HOURLY MAXIMUM	3.06	T/YR	ANNUAL MAXIMUM	(		
_A-0231	GASIFICATION FACILITY FLOPAM INC.	6/22/2009	POWER GENERATOR ENGINES (2) Large Generator Engines	DIESEL	134	HP EACH	11 units: 591 hp	COMPLY WITH 40 CFR 60 SUBPART IIII	0.62	LB/H	MAXIMUN (EACH)	0.21	G/HP-H				
_A-0251	FACILITY NINEMILE POINT ELECTRIC	4/26/2011	(17 units)  EMERGENCY DIESEL	Diesel			6 units: 1175 hp	no additional control  ULTRA LOW SULFUR DIESEL AND	0.03	LB/H	(591 HP UNITS) ANNUAL	0.06	LB/H	(1175 HP UNITS)	3.5	G/KW-H	ANNUAL
_A-0254	GENERATING PLANT AMMONIA PRODUCTION	8/16/2011	GENERATOR  EMERGENCY DIESEL	DIESEL	1250	HP		GOOD COMBUSTION PRACTICES  Compliance with 40 CFR 60 Subpart IIII:	2.6	G/HP-H	AVERAGE	0			2.6	G/HP-H	AVERAGE
LA-0272	FACILITY SALEM HARBOR STATION	3/27/2013	GENERATOR (2205-B) Emergency	DIESEL	120	HP	OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/YR.  ≠300 hours of operation per 12-month rolling period	good combustion practices.	0		1 HR BLOCK AVG	0		1 HR BLOCK AVG	3.5	G/KW-HR	
*MA-0039	REDEVELOPMENT WILDCAT POINT	1/30/2014	Engine/Generator	ULSD	7.4	MMBtu/hr	S in ULSD: â‰□0.0015% by weight	USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES AND	2.6	G/HP-H	INCLUDING SS	6.34	LB/H	INCLUDING SS			
MD-0042	GENERATION FACILITY	4/8/2014	EMERGENCY GENERATOR 1	ULTRA LOW SULFU DIESEL ULTRA LOW	2250	KW	40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD COMBUSTION PRACTICES	HOURS OF OPERATION LIMITED TO 100 HOURS PER YEAR IGOOD COMBUSTION PRACTICES		G/HP-H		3.49	G/KW-H		(		
MD-0044	COVE POINT LNG TERMINAL KARN WEADOCK	6/9/2014	EMERGENCY GENERATOR	SULFUR DIESEL ULTRA LOW	1550	HP	40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD COMBUSTION PRACTICES	AND DESIGNED TO MEET EMISSION LIMIT	2.6	G/HP-H		3.49	G/KW-H				
MI-0389	GENERATING COMPLEX	12/29/2009	EMERGENCY GENERATOR	SULFUR DIESEL	200	KW	2980 HP. OPERATIONAL LIMITS: 1 HR/DAY, 500 HRS/YR FOR PM2.5 NAAQS. THIS IS A 1750 KW GENERATOR THAT WAS INSTALLED IN PLACE OF	ENGINE DESIGN AND OPERATION. 15 PPM SULFUR FUEL.	3.5	G/KW-H	TEST METHOD	0				)	
MN-0071	FAIRBAULT ENERGY PARK	6/5/2007	EMERGENCY GENERATOR	NO. 2	175	KW	THE 670 HP GENERATOR (LISTED AS A ' ' IC ENGINE, LARGE, FUEL OIL) IN MN-0053		0.006	LB/HP-H	3 HOUR AVERAGE	0					
NJ-0079	WOODBRIDGE ENERGY CENTER HESS NEWARK		Emergency Generator	Ultra Low Sulfur distillate Diesel		H/YR	The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with 15 ppm % Sulfur by weight only	Use of ULSD oil		LB/H		0			(		
NJ-0080	ENERGY CENTER  HARRAH'S OPERATING COMPANY, INC.		Emergency Generator  SMALL INTERNAL  COMBUSTION ENGINE (&lt600 HP) - UNIT  El 12	ULSD DIESEL OIL	201	HYR	UNIT FLI2 IS A DETROIT DIESEL GENERATOR AT FLAMINGO LAS VEGAS, LIKE ALL THE OTHER DIESEL GENERATORS, THE UNIT IS SUBJECT TO THE LIMIT OF MONTHLY AND ANNUAL OPERATING TIMES FOR 2 HOURS PER MONTH AND 36 HOURS PER YEAR RESPECTIVELY. EMISSION FACTORS LISTED IN AP-42 ARE USED TO CALCULATE THE EMISSION LIMITS FOR EACH AND EVERY DIESEL GENERATOR IN THIS MAJOR STATIONARY SOURCE, AND ARE NOT REPEATED FURTHER FOR REPORTING THE BACT DETERMINATIONS.	THE UNIT IS EQUIPPED WITH A TURBOCHARGER.		LB/H		3 58	I.B/H		0.006	) 7 I.B/HP-H	
			DIESEL EMERGENCY GENERATORS - UNITS CC009 THRU CC015 AT				THE SEVEN UNITS ARE IDENTICAL CATERPILLAR DIESEL EMERGENCY GENERATORS, EACH OF WHICH IS RATED AT 3.622 HORSEPOWER (HP). OPERATION OF EACH OF THE UNITS IS LIMITED TO ONE HOUR/DAY AND TWELVE HOURS/YEAR FOR TESTING AND MAINTENANCE PRUPOSES ONLY. THE EMISSION LIMITS ARE BASED ON THE ATC	TURBOCHARGER AND GOOD									
	MGM MIRAGE	11/30/2009	EMERGENCY GENERATORS - UNITS LX024 AND LX025 AT	DIESEL OIL	362		PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006. THE TWO UNITS ARE DEDRIFICAL CATERPILLAR GENERATORS MODEL 512C. EACH UNIT HAS A FOUR-STROKE COMPRESSION-IGNITION ENGINER ARTE AT 2.206 HORSE POWER (HP). THE EMISSION LIMITS REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #10 DATED SEPTEMBER 20, 2006. EACH UNIT IS ALLOWED TO OPERATE UP TO ONE HOUR PER DAY AND FIFTY TWO	COMBUSTION PRACTICES  TURBOCHARGER AND GOOD COMBUSTION PRACTICES		LB/HP-H			LB/H			LB/HP-H	
	MGM MIRAGE OHIO RIVER CLEAN		EMERGENCY	DIESEL OIL  DIESEL FUEL	2200		HOURS PER YEAR. 2922 MAXIMUM HORSE POWER SUBJECT TO NSPS SUBPART IIII. WILL INSTALL NON-RESETTABLE HOUR METER PRIOR TO STARTUP PER 40 CFR 60-4209(A) DIESEL FUEL SHALL MEET THE REQUIREMENTS OF 40 CFR 80.510 AND 60.4207: SULFUR CONTENT OF 15 PPM MAXIMUM, CETANE INDEX OF 40	GOOD COMBUSTION PRACTICES		<u> LВ/НР-Н</u>				PER ROLLING 1:	2-	B LB/HP-H	FROM PART 89,
OH-0317 OH-0352	FUELS, LLC OREGON CLEAN ENERGY CENTER	6/18/2013	GENERATOR Emergency generator	OIL	292	HP KW	MINIMUM OR AROMATIC CONTENT OF 35 VOLUME % MAXIMUM Emergency diesel fired generator restricted to 500 hours of operation per rolling 12- months.	AND GOOD ENGINE DESIGN Purchased certified to the standards in NSPS Subpart IIII		LB/H LB/H			T/YR T/YR	MONTH PERIOD PER ROLLING 1: MONTHS		G/KW-H	SEE NOTES
OK-0118	HUGO GENERATING STA		Emergency generator EMERGENCY DIESEL INTERNAL COMBUSTION ENGINES		and the second			USE OF LOW SULFUR NO.2 FUEL OIL COMBINED WITH GOOD COMBUSTION PRACTICES AND LIMITED ANNUAL OPERATION	0		SEE NOTE	0					
OK-0128	MID AMERICAN STEEL ROLLING MILL		Emergency Generator	No. 2 diesel	120	НР			6.6	LB/H		1.65	T/YR		2.49	G/HP-H	
OK-0129	CHOUTEAU POWER PLANT CHOUTEAU POWER	1/23/2009	EMERGENCY DIESEL GENERATOR (2200 HP) EMERGENCY FIRE	DIESEL LOW SULFUR	220	HP				LB/H		3.5	G/KW-H	NSPS			-
OK-0129	PLANT		PUMP (267-HP DIESEL)		26	HP			2.6	G/HP-H	NSPS	0					

		PERMIT															
		ISSUANCE		PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	FACILITY NAME	DATE	PROCESS NAME	FUEL	THROUGHPUT		PROCESS NOTES	DESCRIPTION		UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
	MOXIE LIBERTY	1							<u> </u>		1		<del>i -</del>				
	LLC/ASYLUM POWER																
PA-0278	PL T	10/10/2012	Emergency Generator	Diesel		0	The emergency generator will be restricted to operate not more than 100 hr/yr.		0.13	G/HP-H		0.4	2 LB/H		0.13	G/B-HP-H	
														12-MONTH			
	HICKORY RUN		EMERGENCY	Ultra Low sulfur										ROLLING			
*PA-0291	ENERGY STATION	4/23/2013	GENERATOR	Distillate	7.	8 MMBTU/H	EMERGENCY GENERATOR (1,135 BHP - 750 KW)		5.79	LB/H		0.2	9 T/YR	TOTAL	0		
			DIESEL GENERATOR														
	ML 35 LLC/PHILA		(2.25 MW EACH) - 5											12-MONTH			
*PA-0292	CYBERCENTER	6/1/2012	UNITS	#2 Oil		0	Engines are equipped with SCR and CO Oxidation catalyst	CO Oxidation Catalyst	3.5	G/KW-H		0.0	4 T/YR	ROLLING	0		
	ENERGY ANSWERS																
	ARECIBO PUERTO																
	RICO RENEWABLE		Emergency Diesel				Emergency Generator is rated at 670 BHP and is limited to 500 hr per year										
*PR-0009	ENERGY PROJECT	4/10/2014	4 Generator	ULSD Fuel oil # 2	2	0	(emergency and testing and maintenance, combined)		2.6	G/HP-H		3.8	6 LB/H		0		
			EN COR CONTOUR				THE CONSTRUCTION PERMIT AUTHORIZES THE CONSTRUCTION OF										
	DV D		EMERGENCY	.			EIGHT (8) IDENTICAL EMERGENCY GENERATORS. THIS PROCESS AND	THE OWNER OF STREET, ST.									
	PYRAMAX CERAMICS,		GENERATORS 1 THRU				POLLUTANT INFORMATION IS FOR ONE SINGLE EMERGENCT	ENGINES MUST BE CERTIFIED TO									
SC-0113	LLC	2/8/2012	DIESEL EMERGENCY	DIESEL	75	7 HP	GENERATOR. THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR	COMPLY WITH NSPS, SUBPART IIII.	3.5	G/KW-H			0		0		
	GP ALLENDALE LP		GENERATOR	DIESEL.		0 HP	THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR			LB/H			6 T/YR			G/HP-H	
SC-0114	GP ALLENDALE LP	11/25/2008	SIGENERATOR	DIESEL	140	0 HP	THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR		3.03	LB/H		0.7	6 1/YR		0.98	G/HP-H	
							TESTING OR EMERGENCY PURPOSES.	TUNE-UPS AND INSPECTIONS WILL									
							TESTING OR EMERGENC I FORFOSES.	BE PERFORMED AS OUTLINED IN	1								
			DIESEL EMERGENCY				THE DIESEL EMERGENCY GENERATOR IS LIMITED TO 500 HOURS OF	THE GOOD MANAGEMENT									
SC-0115	GP CLARENDON LP	2/10/2000	GENERATOR	DIESEL.	140	0 HP	OPERATION PER YEAR.	PRACTICE PLAN.	2.02	LB/H		0.7	6 T/YR		0.08	G/HP-H	
30-0113	ARGOS HARLEYVILLE		EMERGENCY	DIESEL	140	0 111	OTERATION TER TEAR.	TRACTICE TEAN.	3.03	LIMI		0.7	0 171 K		0.76	O/111-11	
*SC-0132	PLANT		GENERATOR	DIESEL.	100	0 KW							اه		0		
*SD-0005	DEER CREEK STATION		Emergency Generator	Distillate Oil		0 Kilowatts			0				0		0		
							The emergency generator (EPN 17-1-4) at the site is diesel fired and rated at 1500										
							horsepower (hp). Lowest Achievable Emission Rates (LAER) for nitrogen oxides										
							(NOx) is the use of a 40 Code Federal Rules (CFR) Part 89 Tier 2 engine and limited	1									
							hours of operation. Emissions from the engine shall not exceed 0.0218 grams per										
							horsepower-hour (g/hp-hr) of nitrogen oxides (NOx). The engine is limited to 52										
							hours per year of non-emergency operation.										
							Emissions from the engine shall not exceed 0.01256 g/hp hr of carbon monoxide										
							(CO). The fuel for the engine is limited to 15 parts per million sulfur by weight (ultra	-									
							low sulfur diesel). The engine is limited to 52 hours per year of non-emergency										
							operation.										
							Also applicable: 40CFR60 IIII Standards of Performance for Stationary Compression	ı									
	PEONY CHEMICAL						Ignition Internal Combustion Engine and			1							
	MANUFACTURING	1	Emergency Diesel	1	1		40CFR63 ZZZZ, National Emissions Standards For Hazardous Air Pollutants For	Minimized hours of operations (50 hours)			1						
*TX-0728	FACILITY	4/1/2015	Generator	Diesel	150	0 hp	Stationary Reciprocating Internal Combustion Engines.	Tier II engine	0.0126	G/HP-H		0.	2 T/YR		0		
	MOUNDSVILLE	1		1	1			1			1						
II	COMBINED CYCLE		.[_	L	1		L		1 .	1							
*WV-0025	POWER PLANT CHEYENNE PRAIRIE	11/21/2014	Emergency Generator	Diesel	2015.	7 HP	Nominal 1,500 kW. Limited to 100 hours/year.		0				0		2.6	G/HP-HR	
	GENERATING		Diesel Emergency	Ultra Low Sulfur						1							
*XXXX 0070	STATION	0/20/2017	Generator (EP15)	Diesel		9 hp		EPA Tier 2 rated	1				ا				
*WY-0070	STATION	8/28/2012	2 [Generator (£P15)	Diesei	8.3	y np	I .	EPA Her 2 rated	1 0	1	1	1	υĮ	1	1 0		I

		PERMIT							l		l						
RBLCID		ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AL-0318	TALLADEGA SAWMILL	12/18/2017	250 Hp Emergency CI, Diesel-fired RICE	Diesel	0		Emergency Only					0			0		
			EMERGENCY GENERATORS														
	MIDWEST FERTILIZER		(EU014A AND EU-	DISTILLATE						G/HP-H	3 HOUR						
IN-0263	COMPANY LLC BATON ROUGE	3/23/2017	014B) Emergency Generators (2	OIL	3600	HP EACH	EQT0061 = 150 kW	GOOD COMBUSTION PRACTICES Comply with standards of NSPS Subpart	0.35	EACH	AVERAGE	500	H/YR EACH		0		
LA-0276	JUNCTION FACILITY	12/15/2016	units)	natural gas	0		EQT0062 = 65 kW	JJJ				0			0		
	HOLBROOK							Good combustion practices consistent with the manufacturer's recommendations to	n								
LA-0292	COMPRESSOR STATION	1/22/2016	Emergency Generators No. 1 & D. 2	Diesel	1341	HP		maximize fuel efficiency and minimize emissions	0.83	LB/HR	HOURLY MAXIMUM	0.04	TPY	ANNUAL MAXIMUM	0.28		
	ST. JAMES METHANOL		DEG1-13 - Diesel Fired Emergency Generator														
*LA-0312	PLANT	6/30/2017	Engine (EQT0012)	Diesel	1474	horsepower	Operating hours limit: 100 hr/yr.	Compliance with NSPS Subpart IIII	0.04	LB/HR		0			0		
LA-0313	ST. CHARLES POWER STATION		SCPS Emergency Diesel Generator 1	Diesel	2584	HP		Good combustion practices	27.34	LB/H	HOURLY MAXIMUM	6.84	T/YR	ANNUAL MAXIMUM	0		
LA-0316	CAMERON LNG		emergency generator	diesel	3353												
LA-0316	FACILITY	2/17/2017	engines (6 units)	diesel	3353	hp		Complying with 40 CFR 60 Subpart IIII	1	1		0			0		+
							a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine manufactured in 2011 or later and a displacement of <10 liters/cylinder. Restricted				TEST PROTOCOL						
			EUEMENGINE (Diesel	L			to 4 hours/day, except during emergency conditions and stack testing, and 500				WILL SPECIFY	l .					
MI-0423	INDECK NILES, LLC	1/4/2017	fuel emergency engine)	Diesel Fuel	22.68	MMBTU/H	hours/year on a 12-month rolling time period basis.  A 260 brake horsepower (bhp) diesel-fueled emergency engine manufactured in 201	Good combustion practices.	1.87	LB/H	AVG TIME	0			0		
			EUFPENGINE			1	or later and a displacement of <10 liters/cylinder. Powers a fire pump used for a back up during an emergency (EUFPENGINE). Restricted to 1 hour/day, except				TEST PROTOCOL						
			(Emergency engine-diesel				during emergency conditions and stack testing, and 100 hours/year on a 12-month				WILL SPECIFY						
MI-0423	INDECK NILES, LLC	1/4/2017	fire pump)	Diesel	1.66	MMBTU/H	rolling time period basis.  A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model	Good combustion practices	0.64	LB/H	AVG TIME	0			0		<del>                                     </del>
	MEC NORTH, LLC AND		EUEMENGINE (North Plant): Emergency				year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with Tier IV emission standards. Equipped with a diesel										
*MI-0433	MEC SOUTH LLC	6/29/2018	Engine	Diesel	1341	HP	particulate filter.	Good combustion practices.	0.86	LB/H	HOURLY	0			0		
			EUEMENGINE (South				A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency engine with a model year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to										
*MI-0433	MEC NORTH, LLC AND MEC SOUTH LLC	6/29/2018	Plant): Emergency	ro: 1	1341	III	be compliant with Tier IV emission standards. Equipped with a diesel particulate filter.			LB/H	HOURLY						
*MI-0433	BELLE RIVER	6/29/2018		Diesei	1341	HP	A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later	Good combustion practices	0.80	LB/H	HOURLY	1			1		
*MI-0435	COMBINED CYCLE POWER PLANT	7/16/2018	EUEMENGINE: Emergency engine	Diesel	2	MW	and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified engine subject to NSPS IIII.	State of the art combustion design.	1.89	LB/H	HOURLY	0			0		
	BEAUMONT		EMERGENCY					Equipment specifications and good									
TX-0799	TERMINAL	6/8/2016	ENGINES	diesel	0			combustion practices. Operation limited to 100 hours per year.	0.0025	LB/HP-HR		0			0		
			DIESEL-FIRED EMERGENCY														
*VA-0325	GREENSVILLE POWER STATION		GENERATOR 3000 kW	DIESEL FUEL						4 G/KW	PER HR						
*VA-0325	STATION	6/17/2016	PROPANE-FIRED	DIESEL FUEL	0			Good Combustion Practices/Maintenance	6.4	I G/KW	PER HR	0			0		
	GREENSVILLE POWER		EMERGENCY GENERATORS 150 kW														
*VA-0325	STATION	6/17/2016	(2)	PROPANE	0			Good combustion practices	1	G/HP-H	PER HR	0			0		
VA-0327	PERDUE GRAIN AND OILSEED, LLC	7/12/2017	Emergency Generator	Diesel	0		760 bhp engine		0.49	LB/HR		0			0		
	POINT THOMSON PRODUCTION		Remote Incinerator	Ultra Low Sulfur													
*AK-0082	FACILITY POINT THOMSON	1/23/2015	Generator Engine	Diesel	102	hp	102 hp ULSD-fired existing, small, remote Waste Incinerator		3	LB/TON		0			0		
	PRODUCTION		Emergency Camp	Ultra Low Sulfur													
*AK-0082	FACILITY POINT THOMSON	1/23/2015	Generators	Diesel	2695	hp	Three 2,695 hp ULSD-fired Standby Camp Generator Engines.	no add on controls	0.0007	LB/HP-H		0			0		
*AK-0082	PRODUCTION FACILITY	1/22/2015	Airstrip Generator Engine	Ultra Low Sulfur	490	hn	One 490 hp Airstrip Generator Engine		0.000	LB/HP-H							
- AK-0082	POINT THOMSON	1/23/2015	Ausulp Generator Engine		490	пр	One 490 up Austrip Generator Engine		0.0025	LB/HP-H		1 0			1 0		
*AK-0082	PRODUCTION FACILITY	1/23/2015	Agitator Generator Engine	Ultra Low Sulfur Diesel	98	hp	ULSD-fired 98 hp Agitator Generator Engine		0.0025	LB/HP-H		0			0		
	POINT THOMSON PRODUCTION		Incinerator Generator	Ultra Low Sulfur													
*AK-0082	FACILITY	1/23/2015	Engine Cenerator	Diesel	102	hp	ULSD-fired 102 hp Incinerator Generator Engine		0.0025	LB/HP-H		0			0		
	POINT THOMSON PRODUCTION		Bulk Tank Generator	Ultra Low Sulfur		1											
*AK-0082	FACILITY HILLABEE ENERGY	1/23/2015	Engines EMERGENCY	Diesel	891	hp	Two ULSD-fired 891 hp Bulk Tank Storage Area Generator Engines		0.0007	LB/HP-H	1	0			0		
AL-0251	CENTER CENTER	9/24/2008	GENERATOR	DIESEL	600	EKW		GOOD COMBUSTION PRACTICES				0			0		
								Use of good combustion practices, based									
*FL-0328	ENI - HOLY CROSS DRILLING PROJECT	10/27/2011	E	Diesel	580	Im	MAN D-2842 LE model engine	on the current manufacturer's specifications for this engine	0.00	3 T/YR	12-MONTH ROLLING	0.04	G/HP-H				
*FL-0328	DRILLING PROJECT	10/27/2011	Emergency Engine	Diesei	580	nr	INIAN D-2042 LE model engine		0.03	JI/YK	KULLING	0.94	G/HP-H		1 0		
						1		Use of good combustion practices based on the current manufacturer's									
						1		specifications for these engines, use of			PER YEAR 12						
			Emergency Generator			1		low sulfur diesel fuel, positive crankcase ventilation, turbocharger with aftercooler,			MONTH						
*FL-0338	SAKE PROSPECT DRILLING PROJECT	5/30/2012	Diesel Engine - Development Driller 1	Diesel	2229	hp		high pressure fuel injection with aftercooler	0.04	T/YR	ROLLING TOTAL	0					
11-0336	DRILLING PROJECT	3/30/2012	Development Diniel I	Diesei	2229	Tub		ancicooid	0.04	7 1 / 1 K	ITOTAL	1 0			1 0		

			PERMIT		1						1				1	1		
Part	RBLCID	FACILITY NAME	ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT		PROCESS NOTES			UNIT	AVG TIME CONDITION		UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
## AND TRANSPORT OF THE PROPERTY OF THE PROPER									II									
Processor   Proc									on the current manufacturer's									
Section   Control   Cont												DED VE 4 D 12						
Company   Comp				Emergency Generator														
March   Marc				Diesel Engine - C.R.					high pressure fuel injection with			ROLLING						
Application   Company	FL-0338	DRILLING PROJECT	5/30/2012	Luigs	diesel	2064	1 hp	Caterpillar D3516A 1998	aftercooler	0.04	T/YR	TOTAL	0			0		
Part									Use of good combustion practices based									
ConfigNormal   Conf																		
Property				Main Propulsion				Four 1998 Wartsila 18V32LNE 9910 hn and Two 1998 Wartsila 12V32LNE 6610				ROLLING 24						
According   Acco	FL-0347		9/16/2014	Generator Diesel Engines	Diesel	9910	hp	hp		0.35	G/KW-H		0			0		
March   Marc									Use of good combustion practices based									
Company   Comp									on the most recent manufacturer's									
Property																		
Part	FI -0347		9/16/2014	Emergency Diesel Engine	Diesel	3300	hp	1998 Wartsila 6R 32I NF		1 (	,							
ACCOUNTY   COUNTY	12 0317	LOGIA	2710/2011	Emergency Dieser Englis	Dieses	3300	149	1770 Watchia OKOZENIO		<u> </u>	1					,		
Part		ANIADARKO																
Column   C		PETROLEUM		Remotely Operated		1												
Part     Part   Part   Part     Part   Part   Part     Part   Part     Part     Part     Part     Part     Part     Part     Part     Part     Part     Part     Part     Part     Part     Pa		CORPORATION -		Vehicle Emergency	L			L	turbocharger, aftercooler, and high									
MARCINA   1997   MARC	FL-0347	EGOM	9/16/2014	Generator	Diesel	427	7 hp	2004 Cummins QSM11-G2NR3	injection pressure	+	1	AVERAGE OF	0		-	1 0	-	
THE COLOR   THE						1						THREE (3) 1-H						
THE   SHOWN PARKENNY GENERATORS ARE RENO NOTALLD   LIGHT STREET AS A PARKEN	A-0084	ADM POLYMERS	11/30/2006	GENERATOR	DIESEL FUEL	74.3	GAL/H	1,502 BHP	GOOD COMBUSTION PRACTICES	4.8	GAL/B-HP-F	I TEST RUNS	3.97	T/YR	MONTH TOTAL	- 0		
THE CALL OF CORRESPONDED TO MAKE   CALL OF CALL OF CORRESPONDED TO MAKE   CALL OF CORRESPONDED TO MAKE   CALL OF CORRESPONDED TO MAKE   CALL OF CALL OF CORRESPONDED TO MAKE   CALL OF CALL OF CORRESPONDED TO MAKE   CALL OF CALL O						1			TECHNOLOGY IS SPECIFED.									
A. A. A. P. A. P									ENGINE IS REQUIRED TO MEET									
SOURCEST																		
AMACONS   AMAC								577-P THE PROJECT ALSO INCLUDES THE INSTALLATION OF ONE 2.00	REQUIRE ANY NUMBER OF									
LAMPS								KW EMERGENCY GENERATOR. PERMIT 07-A-578-P. ALL FOUR	CONTROL TECHNOLOGIES AND									
THE ALVIEW   SAME CONTROL   SAME C			C 20.0 10.0 0 10.0 10.0 10.0 10.0 10.0 10		PARAMA													
MODIFICATION   MODI	A-0088		6/29/2007	GENERATOR	DIESEL	1500	KW .	LIMITS AND DIFFERENT TON/YK BACT LIMITS.	BACT STANDARD.	0.3	G/HP-H		0.33	1/YK		1 0		
Description		INDGREDIENTS										THREE STACK			ROLLING			
1000   1000	A-0095	AMERICAS, INC.	9/19/2008	GENERATOR	DIESEL	700	KW			0.2	G/KW-H		0.08	T/YR	TOTAL	0		
COMPANY   100-2002		IOWA FERTILIZER																
NTROGRA LICE   172-701   TRUBE (1)   TRU	A-0105		10/26/2012	Emergency Generator	diesel fuel	142	GAL/H	rated @ 2,000 KW	good combustion practices	0.4	G/KW-H	RUNS	0.44	T/YR	MONTH TOTAL	0		
ORT. NELL STRINGEN   1972   1982															ROLLING			
MACHING CALCES   MACH																		
LANGELY CHIEF   LANGE OF CHARGE NAME   LANGE OF CHARGE OF CHARGE   LANGE OF CHARGE OF CHARGE OF CHARGE OF CHARGE OF CHARGE   LANGE OF CHARGE OF	IA-0106	COMPLEX	7/12/2013	Emergency Generators	diesel fuel	180	GAL/H	There are two (2) identically sized generators.	good combustion practices	4	G/KW-H	RUNS	0.31	T/YR	MONTH TOTAL	0		
DOUBLE   SOUTH   CATE   SOUTH   SOUT		LANGLEY GULCH		EMERGENCY														
Fig.   1	D-0018	POWER PLANT	6/25/2010	GENERATOR ENGINE	DIESEL	750	KW	COMPRESSION IGNITION INTERNAL COMBUSTION (CI ICE)	(GCP)	6.4	G/KW-H	NOX+NMHC	0			0		
ST. DSPH ENGRY   123-2016 DESCR. CONTROLS   100 (SPEC. CONTROLS	TI -0114		9/5/2014	Emergency Generator	distillate fuel oil	3754	HP		Tier IV standards for non-road engines at 40 CFR 1039 102 Table 7	0.4	G/KW-H							
ST. ASSEMILECT   122-2012   DRESE, GENTRATIONS   DRESEL   1006   PP EACH   EQC, EVILANS THROUGH YNC)   YEARLY   0	ar orre		7/3/2011		distribute ruce on	3133	111				GACH II		T T			,		
#N-0158 CENTER LICE 1293/201 GENERATOR DIESEL CENTER LICE 1293/201 GENERATOR DIESEL DESERVITABLE PRODUCTION OF CENTER LICE 1293/201 GENERATOR DIESEL DESERVITABLE PRODUCTION OF CENTER LICE 1293/201 GENERATOR DIESEL DESERVITABLE PRODUCTION OF CENTER LICE 1293/201 GENERATOR NO. 2 DIESEL DIES	DI 0150		12/2/2012		DIEGEI	100	IID E ACH			1.00	I DAI		500	OPERATIO	VEADLY			
## 0.55   ST. POSPH INERGY   12-2075   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR ESSEN CONTINUS   10   IBH   3 HOURS   500   VERBLY   0    ***ST. OSPH INERGY   12-2075   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IP   EVALUATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IN EVALUATE STATES THROUGH ONE (1) IVEXT   CORRESTOR OF BEEL   2012   IN EVALUATE STATES   2012   IN EVALUATE STATES   2012   IN EVALUATE STATES   2013   IN EVALUATE STATES   2014   IN EVALUATE STATES	IN-0158	CENTER, LLC	12/3/2012	DIESEL GENERATORS	DIESEL	1000	HPEACH	EG02, EXHAUST THROUGH TWO (2) VENTS.	AND USAGE LIMITS	1.04	LB/H		500	HOURS OF	YEARLY	-		
ST. JOSEPH ENEGRY   12/2002 TANKS   SO   GALLONS EACH   THE TWO (2) TANKS ARE IDENTIFIED AS TK07 AND TK08   PRACTICES   O   O   O   O   O		ST. JOSEPH ENEGRY		EMERGENCY DIESEL				THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03,	COMBUSTION DESIGN CONTROLS					OPERATIO				
ST. DSEPH LENGRY   GINERATOR U.S.D   SPORTATING   GOOD DESIGN AND OPERATING   ST. DSEPH ENGRY   LENGRAND   L	IN-0158	CENTER, LLC	12/3/2012	GENERATOR EMERGENCY	DIESEL	2012	2 HP	EXHAUSTS THROUGH ONE (1) VENT.	AND USAGE LIMITS	1.04	LB/H	3 HOURS	500	N	YEARLY	- 0		
#N-0158 CENTER, LLC 12-20/20 [TANK   SEPENTATION   10   10   10   10   10   10   10   1				GENERATOR ULSD														
ST. JOSEPH RINGRY   GENERATOR ULSD   ST. JOSEPH RINGRY   12/3002 TANK   300 CALLONS   THIS TANK IS IDENTIFIED AS TK-50   AND FUEL SPECIFICATION   0   0   0	IN-0158	CENTER, LLC	12/3/2012	TANKS		550	GALLONS EACH	THE TWO (2) TANKS ARE IDENTIFIED AS TK07 AND TK08	PRACTICES				0			0		
#N-0175 CENTER, LLC 12/2/2012 TANK 300 GALLONS THIS TANK IS IDENTIFIED AS TKS0 AND FUEL SPECIFICATION 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		ST. JOSEPH ENEGRY							GOOD CUMBUSTION PRACTICE									
MDWEST FERTILIZER   EMERGENCY   ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS.   GOOD COMBUSTION PRACTICES   0.31 GHP-H   3-HR AVERAGE   0   0   0   0   0   0   0   0   0	IN-0158		12/3/2012	TANK		300	GALLONS	THIS TANK IS IDENTIFIED AS TK50		(			0			0		
**N-0173 CORPORATION 64/2014 GENERATOR NO. 2, DIESEL 3600 BHP INSIGNIFICANT ACTIVITY WILL NOT BE TESTED. GOOD COMBUSTION PRACTICES 0.31 GHP-H 3-HR AVERAGE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		MIDWEST FERTILIZED						ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS										
DIESEL FIRED   BURREGENCY   120   1400   1	IN-0173		6/4/2014	GENERATOR	NO. 2, DIESEL	3600	BHP		GOOD COMBUSTION PRACTICES	0.31	G/HP-H	3-HR AVERAGE	0			0		
**NO.179 RESOURCES, LLC 9.525.03 GENERATOR NO. 2 FUEL OIL 4690 B-HP ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS. GOOD COMBUSTION PRACTICES 0.3 GHP-H 3-HR AVERAGE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
EMERGENCY   GENERATIORS (DOCK   Assumption No. 1   1227/2006 (21-08 Assumption No. 1   1227/2006 (21	IN-0179	RESOURCES, LLC	9/25/2013	GENERATOR	NO. 2 FUEL OIL	4690	B-HP	ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS.	GOOD COMBUSTION PRACTICES	0.31	G/HP-H	3-HR AVERAGE	0			0		
Addition				EMERGENCY				21-08: 1341 HP										
LA-021   GARVYLLE REFINEY   1227/2006   C21-08 kampe; 22-08   DISSLE MERGENCY   CEPOLE TRAIL LNG   CEPOLE						1		22-08: 0/1 HP	USE OF DIESEL WITH A SULFUR			ANNUAL.						
CREOLE TRAIL LNG	.A-0211	GARYVILLE REFINERY	12/27/2006	(21-08 & amp; 22-08)	DIESEL			GENERATORS PERMITTED FOR 182 H/YR EA.		0.0025	LB/HP-H		0			0		
LA-0219   MPORT TERMINAL   8/15/2007   Rump; 2   DIESEL   2168 HP EACH   AND GOOD ENGINE DESIGN   1.67 LBH   MAXIMUM   0.42 TVR   MAX		CREOLE TRAIL LNG		GENERATOR NOS 1					GOOD COMBUSTION PRACTICES			HOURIV			ANNIJAT			
NINEMILE POINT ELECTRIC EMERGENCY DIESEL LA-0254 GENERATING PLANT 8/16/2011 GENERATOR DIESEL 1250 HP ULTRA LOW SULFUR DIESEL AND GOOD COMBUSTION PRACTICES 1 GHP-H AVERAGE 0 ANNUAL AMMONIA PRODUCTION PRODUCTION 1-LA-0272 FACILITY 3/27/2013 GENERATOR (2205-B) DIESEL 1200 HP OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/YR. good condustion practices. 0 ULTRA LOW DESCRIPTION PRACTICES, AND COMBISTION PRACTICES. 0 COMBISTION PRACTICES, AND COMBISTION PRACTICES. 0 COMBISTI	.A-0219		8/15/2007		DIESEL	2168	HP EACH			1.67	LB/H		0.42	T/YR		1		
LA-0254   GENERATING PLANT   8/16/2011   GENERATOR   DIESEL   1250   HP   GOOD COMBUSTION PRACTICES   1 GHP-H   AVERAGE   0   1 GHP-H   AVERAGE   AVERAGE   1 GHP-H		NINEMILE POINT								1								
AMMONIA PRODUCTION BEREGENCY DIESEL *LA-0272 FACILITY 3.27/2013 GENERATOR (2205-18) DIESEL 1200 HP OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/VR. good combustion practices.  ULTRA LOW ULTRA	A-0254		8/16/2011	EMERGENCY DIESEL GENERATOR	DIESEL.	1250	HP		GOOD COMBUSTION PRACTICES	,	G/HP-H	ANNUAL AVERAGE				,	G/HP-H	ANNUAL AVERAGE
*LA-0272 FACILITY 3.27/2013 GENERATOR (2205-18) DIESEL 1200 HP OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/VR good combustion practices. 0 0 0 6.4 G/KW-HR NO: USE ONLY USED, GOOD COMBUSTION PRACTICES, AND COMPUSTION PRACTICES, AND COMPUSTION PRACTICES, AND COMPUSTION PRACTICES, AND COMBINED NOX COMBINED NOX COMBINED NOX		AMMONIA				12.50	1			T			1		1	1		
ULTRA LOW COVE POINT LNG EMERGENCY SULFUR 40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD DESIGNED TO ACHIEVE EMISSION COMBINED NOX COMBINED NOX COMBINED NOX	II A 0272		2/27/2012	EMERGENCY DIESEL	DIEGEI	1000	III	OBED A TIME OF CENER ATOR IS I DATED TO 500 UP AVE		1 .	J					1	CAVW HP	NOX + NMHC
ULTRA LOW COMBUSTION PRACTICES, AND COMBUSTION PRACTICES, AND COMBINED NOX COMBINED NOX COMBINED NOX COMBINED NOX	LA-02/2	FACILITY	3/2 //2013	GENERATOR (2205-B)		1200	nr	OFERATING TIME OF GENERATOR IS LIMITED TO 300 HR/YR.	USE ONLY ULSD, GOOD	1	1		0			6.4	G/KW-HK	NOA + NMHC
COVE POINT LNG EMERGENCY SULFUR 40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD DESIGNED TO ACHIEVE EMISSION COMBINED NOX C								<u></u>	COMBUSTION PRACTICES, AND									
BILPORT   LEASINGL   0.72-017   CLASSICAL   1330   IT   COMBUSTION FARCILLES   LIMIT   4.5   CLASSICAL   1.5   MIRC   0.4   UNIVERSITY   1.5   MIRC   0.4   UN	MD 0044	COVE POINT LNG	6/0/2014			1556	LIB	40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD		1	C/UP U			C/VW II		·		
	MD-0044	LLAMINAL	0/9/2014	OLNERATUK	PIESEL	1550	eline.	COMBOSTION FRACTICES	Livil	1 4.8	дупг-Н	- NMHC	6.4	G/KW-H	1. NWIEC		1	1

		PERMIT							1			1		1			
RBLCID	FACILITY NAME	ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
							THIS IS A 1750 KW GENERATOR THAT WAS INSTALLED IN PLACE OF										
	FAIRBAULT ENERGY	C 18 19 0 0 18	EMERGENCY				THE 670 HP GENERATOR (LISTED AS A ' ' IC ENGINE, LARGE	,			3 HOUR	1 .					
MN-0071	PARK WOODBRIDGE	6/5/2007	GENERATOR	NO. 2 Ultra Low Sulfur	175	KW	FUEL OIL) IN MN-0053 The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with		0.0007	LB/HP-H	AVERAGE	- (	)		0	1	
NJ-0079	ENERGY CENTER	7/25/2012	Emergency Generator	distillate Diesel	10	H/YR	15 ppm % Sulfur by weight only	Use of ULSD oil	0.49	LB/H					0		
	HESS NEWARK											1 .					
NJ-0080	ENERGY CENTER	11/1/2012	Emergency Generator	ULSD	200	H/YR	UNIT FL12 IS A DETROIT DIESEL GENERATOR AT FLAMINGO LAS	use of ULSD, a low sulfur clean fuel	2.62	LB/H		+ (	)		1	1	
							VEGAS. LIKE ALL THE OTHER DIESEL GENERATORS, THE UNIT IS										
							SUBJECT TO THE LIMIT OF MONTHLY AND ANNUAL OPERATING TIMES FOR 2 HOURS PER MONTH AND 36 HOURS PER YEAR										
			SMALL INTERNAL				RESPECTIVELY. EMISSION FACTORS LISTED IN AP-42 ARE USED TO										
			COMBUSTION ENGINE				CALCULATE THE EMISSION LIMITS FOR EACH AND EVERY DIESEL										
NV-0049	HARRAH'S OPERATING COMPANY, INC.	8/20/2009	(<600 HP) - UNIT FL12	DIESEL OIL	530	HP	GENERATOR IN THIS MAJOR STATIONARY SOURCE, AND ARE NOT REPEATED FURTHER FOR REPORTING THE BACT DETERMINATIONS.	THE UNIT IS EQUIPPED WITH A TURBOCHARGER.	0.0025	LB/HP-H		1.34	LB/H		0.0025	LB/HP-H	
							THE SEVEN UNITS ARE IDENTICAL CATERPILLAR DIESEL EMERGENCY										
			DIESEL EMERGENCY				GENERATORS, EACH OF WHICH IS RATED AT 3,622 HORSEPOWER (HP).  OPERATION OF EACH OF THE UNITS IS LIMITED TO ONE HOUR/DAY										
			GENERATORS - UNITS				AND TWELVE HOURS/YEAR FOR TESTING AND MAINTENANCE										
			CC009 THRU CC015 AT				PRUPOSES ONLY. THE EMISSION LIMITS ARE BASED ON THE ATC	TURBOCHARGER AND GOOD									
NV-0050	MGM MIRAGE	11/30/2009	CITY CENTER	DIESEL OIL	362	HP	PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006. THE TWO UNITS ARE IDENTICAL CATERPILLAR GENERATORS MODEL	COMBUSTION PRACTICES	0.0003	LB/HP-H		0.93	LB/H		0.0003	LB/HP-H	
	1			1			3512C. EACH UNIT HAS A FOUR-STROKE COMPRESSION-IGNITION										
	1			1			ENGINE RATED AT 2,206 HORSE POWER (HP). THE EMISSION LIMITS										
			EMERGENCY GENERATORS - UNITS				REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #10 DATED SEPTEMBER 20, 2006. EACH UNIT IS										
			LX024 AND LX025 AT				ALLOWED TO OPERATE UP TO ONE HOUR PER DAY AND FIFTY TWO	TURBOCHARGER AND GOOD									
NV-0050	MGM MIRAGE	11/30/2009	LUXOR	DIESEL OIL	220	HP	HOURS PER YEAR. 2922 MAXIMUM HORSE POWER	COMBUSTION PRACTICES	0.0003	LB/HP-H		0.71	LB/H		0.0003	LB/HP-H	
							2922 MAXIMUM HORSE POWER										
							SUBJECT TO NSPS SUBPART IIII. WILL INSTALL NON-RESETTABLE										
							HOUR METER PRIOR TO STARTUP PER 40 CFR 60.4209(A)										FOR NMHC ANI
							DIESEL FUEL SHALL MEET THE REQUIREMENTS OF 40 CFR 80.510 AND										NOX
	OHIO RIVER CLEAN		EMERGENCY	DIESEL FUEL			60.4207: SULFUR CONTENT OF 15 PPM MAXIMUM, CETANE INDEX OF 40							PER ROLLING 12	4		COMBINED, 5%
OH-0317	FUELS, LLC OREGON CLEAN	11/20/2008	GENERATOR	OIL	292	HP	MINIMUM OR AROMATIC CONTENT OF 35 VOLUME % MAXIMUM	AND GOOD ENGINE DESIGN Purchased certified to the standards in	1.39	LB/H		0.35	T/YR	MONTH PERIOD PER ROLLING 12		G/KW-H	NMHC
*OH-0352	ENERGY CENTER	6/18/2013	Emergency generator	diesel	225	KW	Emergency diesel fired generator restricted to 500 hours of operation per rolling 12- months.	NSPS Subpart IIII	3.93	LB/H		0.98	T/YR	MONTHS	1 0		SEE NOTES
			EMERGENCY DIESEL					USE OF LOW SULFUR NO.2 FUEL									
	HUGO GENERATING		INTERNAL COMBUSTION					OIL COMBINED WITH GOOD COMBUSTION PRACTICES AND									
OK-0118	STA	2/9/2007	ENGINES					LIMITED ANNUAL OPERATION	0		SEE NOTE				0		
OK-0128	MID AMERICAN STEEL ROLLING MILL	0/9/2009	Emergency Generator	No. 2 diesel	120	HP			0.77	LB/H		0.16	T/YR		2.07	G/HP-H	
OK-0128	CHOUTEAU POWER	9/6/2006	EMERGENCY DIESEL		120	) nr			0.77	LD/H		0.13	1/1K		2.07	G/nr-n	
OK-0129	PLANT	1/23/2009	GENERATOR (2200 HP)	DIESEL	220	HP		GOOD COMBUSTION	1.55	LB/H		- (			0	4	
PA-0271	MERCK & CO. WESTPOINT	2/23/2007	MOBILE EMERGENCY GENERATOR	DIESEL.					0.32	G/HP-H		0.4	T/YR		#DIV/0!		
174-02/1	MOXIE LIBERTY	2/23/2007	GENERATOR	DIESEL					0.32	G/III-II		- 0	1/110		#DIV/0:		
	LLC/ASYLUM POWER			L													
PA-0278	PL T	10/10/2012	Emergency Generator	Diesel		)	The emergency generator will be restricted to operate not more than 100 hr/yr.		0.01	G/HP-H		0.03	LB/H 12-MONTH		#DIV/0!		
	HICKORY RUN		EMERGENCY	Ultra Low sulfur									ROLLING				
*PA-0291	ENERGY STATION	4/23/2013	GENERATOR	Distillate	7.1	MMBTU/H	EMERGENCY GENERATOR (1,135 BHP - 750 KW)	Is certified by the manufacturer to meet	0.7	LB/H	-	0.03	TOT	-	69.78346154	-	
	ENERGY ANSWERS			1				the emission standards									
	ARECIBO PUERTO						L	required by 40 CFR Part 89, Subpart B									
*PR-0009	RICO RENEWABLE ENERGY PROJECT	4/10/2014	Emergency Diesel Generator	ULSD Fuel oil # :	,	,	Emergency Generator is rated at 670 BHP and is limited to 500 hr per year (emergency and testing and maintenance, combined)	Table 1 for non-road compression ignition engines.	0.15	G/HP-H		0.25	LB/H		#DIV/0!		
. K-000)	E-LEGI I ROJECI	4/10/2014	Scholator	CLOD FUCION #	1			PURCHASE OF CERTIFIED	0.13	G/111-11		0.22	12.2711		#DIV/0:		
	NUMBER OF THE PROPERTY OF THE		THE STREET OF LOTH THE !	1			THE CONSTRUCTION PERMIT AUTHORIZES THE CONSTRUCTION OF	ENGINES. HOURS OF OPERATION									
SC-0113	PYRAMAX CERAMICS, LLC	2/8/2012	EMERGENCY ENGINE 1 THRU 8	DIESEL	21	HP	EIGHT (8) IDENTICAL EMERGENCY ENGINES. THIS PROCESS AND POLLUTANT INFORMATION IS FOR ONE SINGLE ENGINE.	LIMITED TO 100 HOURS FOR MAINTENANCE AND TESTING.	7.5	G/KW-H		1	,			,	
		2.0.2012			1		THE CONSTRUCTION PERMIT AUTHORIZES THE CONSTRUCTION OF		1			1					
	PYRAMAX CERAMICS,		EMERGENCY GENERATORS 1 THRU	1			EIGHT (8) IDENTICAL EMERGENCY GENERATORS. THIS PROCESS AND	PURCHASE ENGINES CERTIFIED TO	J								
SC-0113	LLC	2/8/2012	8	DIESEL	75	HP	POLLUTANT INFORMATION IS FOR ONE SINGLE EMERGENCT GENERATOR.	COMPLY WITH NSPS, SUBPART IIII.		G/KW-H		1	,			,	
			DIESEL EMERGENCY				THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR					1					
SC-0114	GP ALLENDALE LP	11/25/2008	GENERATOR	DIESEL	1400	HP	TESTING OR EMERGENCY PURPOSES.  THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR		0.32	LB/H		0.08	T/YR	-	1.04	G/HP-H	
	1			1			TESTING OR EMERGENCY PURPOSES.	TUNE-UPS AND INSPECTIONS WILL	.								
	1		DATE OF THE OWNER OW	1				BE PERFORMED AS OUTLINED IN									
SC-0115	GP CLARENDON LP	2/10/2009	DIESEL EMERGENCY GENERATOR	DIESEL	140	HP	THE DIESEL EMERGENCY GENERATOR IS LIMITED TO 500 HOURS OF OPERATION PER YEAR.	THE GOOD MANAGEMENT PRACTICE PLAN.	0.32	LB/H		0.08	T/YR		1.04	G/HP-H	
	ARGOS HARLEYVILLE		EMERGENCY				The state of the s	The second second	0.32		1	0.00			1.04		
*SC-0132	PLANT	12/14/2007	GENERATOR	DIESEL	100	KW		BACT HAS BEEN DETERMINED TO	0			-			- 0	-	
	1		EMERGENCY	1			(2) 1,000 KW EMERGENCY GENERATORS THAT ARE OPERATED A	BE COMPLIANCE WITH NSPS,									
			GENERATORS, GEN1,				TOTAL OF 100 HOURS PER YEAR OR LESS FOR TESTING AND	SUBPART IIII, 40 CFR60.4202 AND 40	)								
SC-0159	US10 FACILITY	7/9/2012	GEN2	DIESEL	100	KW	MAINTENANCE.	CFR60.4205.	6.4	G/KW-H		(	1	1	1 0	l l	

7															
RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE		PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT		CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	STANDARAD EMISSION LIMIT	AVG TIME CONDITION
	PEONY CHEMICAL MANUFACTURING		Emergency Diesel												
*TX-0728	FACILITY	4/1/2015	Generator	Diesel	1500	hp	Stationary Reciprocating Internal Combustion Engines.	engine	0.7	LB/H		0.02	T/YR	0	
	MOUNDSVILLE														
	COMBINED CYCLE														
*WV-0025	POWER PLANT	11/21/2014	Emergency Generator	Diesel	2015.1	HP	Nominal 1,500 kW. Limited to 100 hours/year.		1.24	LB/H		0	1	0	

## Table D-D-4 Particulate Matter (PM) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
			Black Start and		- AMOCOMI CI			I I I I I I I I I I I I I I I I I I I		U.1.1	1		U1	John Jillion		0.114	JO. DITION
	DONLIN GOLD		Emergency Internal				Two (2) 600 kWe black start diesel generators and four (4) 1,500 kWe emergency	Clean Fuel and Good Combustion			3-HOUR						
AK-0084	PROJECT	6/30/2017	Cumbustion Engines 250 Hp Emergency CL	Diesel	1500	kWe	diesel generators.	Practices	0.2	5 G/KW-HR	AVERAGE		0			0	
*AT -0318	TALLADEGA SAWMILL	12/18/2017	250 Hp Emergency CI, Diesel-fired RICE	Diesel			Emergency Only			0			0			0	
1112 0310	OKEECHOBEE CLEAN		Three 3300-kW ULSD	Dieses						1			1			•	
FL-0356	ENERGY CENTER	3/9/2016	emergency generators	ULSD	0		BACT limits equal to NSPS Subpart IIII limits. Will use IIII certified engine.	Use of clean fuel	0.	2 G/KW-HR			0			0	
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	Two 3300 kW emergency	ULSD			Two ULSD-fueled emergency engines. BACT = Subpart IIII limits.	Clean fuel		GRAMS 2 PER KWH							
*FL-0303	ENERGY CENTER	12/4/201/	generators EMERGENCY	ULSD			Two ULSD-rucied emergency engines. BAC1 = Subpart IIII limits.	Clean ruei	0.	Z PER KWH			0			U	
			GENERATORS														
	MIDWEST FERTILIZER		(EU014A AND EU-	DISTILLATE						G/HP-H	3 HOUR						
N-0263	COMPANY LLC	3/23/2017		OIL	3600	HP EACH		GOOD COMBUSTION PRACTICES	0.1	5 EACH	AVERAGE	50	0 H/YR EACI	TEST		0	
			Emergency Diesel Generator Engine					Certified engines, good design, operation			TEST PROTOCOL			PROTOCOL			
	GRAYLING		(EUEMRGRICE in				One emergency diesel generator engine rated at 1600 kW (EUEMRGRICE in	and combustion practices. Operational			WILL SPECIFY			WILL SPECIFY			
MI-0421	PARTICLEBOARD	8/26/2016	FGRICE)	Diesel	500	H/YR	FGRICE).	restrictions/limited use.	1.4	1 LB/H	AVG TIME	0.	2 G/KW-H	AVG TIME		0	
							a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine				TEST						
							manufactured in 2011 or later and a displacement of <10 liters/cylinder. Restricted				PROTOCOL						
			EUEMENGINE (Diesel				to 4 hours/day, except during emergency conditions and stack testing, and 500	Good combustion practices and meeting			WILL SPECIFY						
MI-0423	INDECK NILES, LLC	1/4/2017		Diesel Fuel	22.68	MMBTU/H	hours/year on a 12-month rolling time period basis.	NSPS Subpart IIII requirements.	0.	2 G/KW-H	AVG TIME		0			0	
							A 260 brake horsepower (bhp) diesel-fueled emergency engine manufactured in 2011										
			EUFPENGINE				or later and a displacement of <10 liters/cylinder. Powers a fire pump used for a back up during an emergency (EUFPENGINE). Restricted to 1 hour/day, except				TEST PROTOCOL						
			EUFPENGINE (Emergency engine-diesel	ıl			back up during an emergency (EUFPENGINE). Restricted to 1 hour/day, except during emergency conditions and stack testing, and 100 hours/year on a 12-month	Good combustion practices and meeting			WILL SPECIFY						
MI-0423	INDECK NILES, LLC	1/4/2017	fire pump)	Diesel	1.66	MMBTU/H	rolling time period basis.	NSPS Subpart IIII requirements.	0.1	5 G/BHP-H	AVG TIME.		0		I .	0	
			EUEMRGRICE1 in		1.00			Certified engines, good design, operation	0.1	T	TEST			TEST			
	GRAYLING		FGRICE (Emergency	L			One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE1 in	and combustion practices. Operational			PROTOCOL	.1		PROTOCOL			
MI-0425	PARTICLEBOARD	5/9/2017	diesel generator engine)	Diesel	500	H/YR	FGRICE).	restrictions/limited use.	0.6	6 LB/H	SHALL SPECIFY	0.	2 G/KW-H	SHALL SPECIFY	-	0	1
			EUEMRGRICE2 in			1		Certified engines, good design, operation	1		TEST	1		TEST			
	GRAYLING		FGRICE (Emergency			1	One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE2 in	and combustion practices. Operational	1		PROTOCOL	1		PROTOCOL			
MI-0425	PARTICLEBOARD	5/9/2017	Diesel Generator Engine)	Diesel	500	H/YR	FGRICE)	restrictions/limited use.	0.2	2 LB/H	SHALL SPECIFY	0.	2 G/KW-H	SHALL SPECIFY		0	
							A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model										
	MEC NORTH, LLC AND		EUEMENGINE (North				year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with Tier IV emission standards. Equipped with a diesel	Diesel particulate filter, good combustion practices and meeting NSPS Subpart IIII									
*MI-0433	MEC SOUTH LLC	6/29/2018	Plant): Emergency	Discal	1341	шр	particulate filter.	requirements.		2 G/KW-H	HOURLY		ما		l .	0	
0733	DOOLII EEC	3/2//2018			1341		A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency engine with a model year		1	- Corne 17-11	THE STATE OF THE S		1			1	
			EUEMENGINE (South				of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to	Diesel particulate filter, good combustion									
	MEC NORTH, LLC AND		Plant): Emergency				be compliant with Tier IV emission standards. Equipped with a diesel particulate	practices and meeting NSPS IIII									
*MI-0433	MEC SOUTH LLC BELLE RIVER	6/29/2018	Engine	Diesel	1341	HP	filter.  A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later	requirements.	0.	2 G/KW-H	HOURLY		0		-	0	
	COMBINED CYCLE		EUEMENGINE:				and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified										
*MI-0435	POWER PLANT	7/16/2018	Emergency engine	Diesel	2	MW	engine subject to NSPS IIII.	State of the art combustion design	0.	2 G/KW-H	HOURLY		0			0	
	PSEG FOSSIL LLC																
	SEWAREN GENERATING		D' IE' IE					use of ULSD a clean burning fuel, and									
NJ-0084	STATION	2/10/2016	Diesel Fired Emergency Generator	ULSD	44	H/YR		limited hours of operation	0.2	6 LB/H			ما		l .	0	
13-0004	STATION	3/10/2010	Generator	OLSD		IDIK	(2) 1500 kW emergency diesel genset. Emission limitations are for each genset and	innica ious of operation	0.2	O LIBIT						0	
	CPV FAIRVIEW		Emergency Generator				fuel is restricted to ULSD (15 ppm) and each is restricted to 100 hrs on a 12-month										
*PA-0310	ENERGY CENTER	9/2/2016	Engines	ULSD	0		rolling basis.		0.1	5 G/BHP-HR			0		-	0	
	INTERNATIONAL STATION POWER		Caterpillar 3215C Black								INSTANTANEOU	т					
AK-0071	PLANT	12/20/2010	Start Generator (1)	ULSD	1500	KW-e		Good Combustion Practices	0.0	3 G/HP-H	S	1	0		I .	0	
	HILLABEE ENERGY		EMERGENCY														
AL-0251	CENTER	9/24/2008	GENERATOR	DIESEL	600	EKW		LOW SULFUR DIESEL FUEL	1	0		1	0	1	-	0	1
	NUCOR STEEL		DIESEL FIRED EMERGENCY														
*AL-0301	TUSCALOOSA, INC.	7/22/2014	GENERATOR	DIESEL	800	HP			0.000	7 LB/HP-H			0			0	
					800	1		OPERATIONAL RESTRICTION OF 50	0.000			1	1	1	1		1
	VICTORVILLE 2							HR/YR; USE OF ULTRA LOW									
	HYBRID POWER PROJECT	2/11/2010	EMERGENOV ENGRE	DIEGEI	****	WW.	2000 FW (2 (02 L )	SULFUR FUEL NOT TO EXCEED 15	1 .	2 CHANGE		1	e Camp II			ا	
CA-1191	PROJECT PALMDALE HYBRID	3/11/2010	EMERGENCY ENGINE EMERGENCY IC	DIESEL	2000	KW	2000 KW (2,683 hp) engine	PPMVD FUEL SULFUR	0.	2 G/KW-H	1	0.1	5 G/HP-H		<u> </u>	U	1
CA-1212	POWER PROJECT	10/18/2011		DIESEL	2683	HP	UNIT IS 2000 KW.	USE ULTRA LOW SULFUR FUEL	0.	2 G/KW-H		0.1	5 G/HP-H			0	
							Two emergency generators, each rated at 2,000 kW, will be installed to provide										
						1	backup electrical power in the event of a power outage at the SRF facility. The engines will fire ULSD fuel oil or propane and each will be limited to 500 hours per		1			1					
							year of operation during emergencies. Each unit will be operated no more than 100										
	SWEET SORGHUM-TO-					1	hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII.		1			1					
	ETHANOL ADVANCED		Emergency Generators,				Each engine will be designed to meet USEPA's emission standards listed in 40										
FL-0322	BIOREFINERY	12/23/2010	Two 2682 HP EA	ULSD	0	-	CFR Part 60 Subpart IIII for model year 2006 or later.		0.	2 G/KW-H			0			0	
						1		Use of good combustion practices, based	1			1					
	ENI - HOLY CROSS							on the current manufacturer's			12-MONTH						
*FL-0328	DRILLING PROJECT	10/27/2011	Emergency Engine	Diesel	0		MAN D-2842 LE model engine	specifications for this engine	0.0	3 T/YR	ROLLING		0			0	
							One emergency generator rated at 2,000 kW (2,682 HP) will be installed to provide										
							One emergency generator rated at 2,000 kW (2,682 HP) will be installed to provide backup electrical power in the event of a power outage at the HEF facility. The										
		I					generator will fire ULSD fuel oil or natural gas and will be limited to 500 hours per										
		I					p	I	1	1	1	1	1	1	1	1	1
	HIGHLANDS						year of operation during emergencies. The unit will be operated no more than 100			1						1	
	BIOREFINERY AND						hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII.										
			2000 KW Emergency Equipment				year of operation during emergencies. The unit will be operated no more than 100 hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The engine will be designed to meet US EPA候s emission standards listed in 40 CFR Part 60 Subpart IIII for model year 2006 or later.	See Pollutant Notes.		2 G/KW-H							

## Table D-D-4 Particulate Matter (PM) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

		PERMIT														
RBLCID		DATE PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
						One 600 hp diesel fire pump engine will be installed to provide firewater during										
	HIGHLANDS					power outages. This unit will fire ULSD fuel oil or natural gas and will be limited to 500 hours per year of operation. This unit will be operated no more than 100 hours										
	BIOREFINERY AND					per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The										
	COGENERATION PLANT	600 HP Emergency 9/23/2011 Equipment	Ultra-Low Sulfur Oil	(		engine will be designed to meet US EPA's emission standards listed in 40 CFR Part 60 Subpart IIII for model year 2009 or later.	See Pollutant Notes.	0.15	G/HP-H		(			0		
							Use of good combustion practices based									
							on the current manufacturer's specifications for these engines, use of									
							low sulfur diesel fuel, positive crankcase			PER YEAR 12						
	SAKE PROSPECT	Emergency Generator Diesel Engine -					ventilation, turbocharger with aftercooler, high pressure fuel injection with			MONTH ROLLING						
*FL-0338	DRILLING PROJECT	5/30/2012 Development Driller 1	Diesel	2225	hp		aftercooler	0.03	T/YR	TOTAL	(	1		0		
							Use of good combustion practices based									
							on the current manufacturer's specifications for these engines, use of									
		г с .					low sulfur diesel fuel, positive crankcase ventilation, turbocharger with aftercooler,			PER YEAR 12 MONTH						
	SAKE PROSPECT	Emergency Generator Diesel Engine - C.R.					high pressure fuel injection with			ROLLING						
*FL-0338	DRILLING PROJECT	5/30/2012 Luigs	diesel	2064	hp	Caterpillar D3516A 1998	aftercooler	0.04	T/YR	TOTAL	(	1		0		
*FL-0346	I AUDEDDALE DI ANIO	Four 3100 kW black star	ULSD		MMBtu/hr (HHV) per	Eind mid III CD	Conditional of		G/KW-H		] .					
	LAUDERDALE PLANT	4/22/2014 emergency generators Emergency fire pump			engine	Fired with ULSD	Good combustion practice				<u> </u>	1		0		
*FL-0346	LAUDERDALE PLANT	4/22/2014 engine (300 HP)	USLD	29	MMBtu/hr	Emergency engine. BACT = NSPS IIII.	Good combustion practice	0.2	G/HP-H		(			0		
	ANADARKO				1		Use of good combustion practices based									
	PETROLEUM						on the most recent manufacturer's specifications issued for engines and with									
	CORPORATION - EGOM	Main Propulsion 9/16/2014 Generator Diesel Engines	Discal	9910	l ba	Four 1998 Wartsila 18V32LNE 9910 hp and Two 1998 Wartsila 12V32LNE 6610	turbocharger, aftercooler, and high injection pressure	0.43	G/KW-H	ROLLING 24 HOUR AVERAGE						
112-0347	LGOW	9/10/2014 Generator Dieser Engines	Diesei	7710	пр	np		0.43	G/KW-II	HOUR AVERAGE						
	ANADARKO						Use of good combustion practices based on the most recent manufacturer's									
	PETROLEUM CORPORATION -						specifications issued for engines and with turbocharger, aftercooler, and high									
*FL-0347	EGOM	9/16/2014 Emergency Diesel Engine	e Diesel	3300	hp	1998 Wartsila 6R32LNE	injection pressure  NO SPECIFIC CONTROL	0			(			0		
							NO SPECIFIC CONTROL TECHNOLOGY IS SPECIFED.									
						THREE 1,500 KW EMERGENCY GENERATORS ARE BEING INSTALLED	ENGINE IS REQUIRED TO MEET LIMITS ESTABLISHED AS BACT									
						AS A PART OF THIS PROJECT. PERMITS 07-A-542-P, 07-A-576-P AND 07-A-	(TIER 2 NONROAD). THIS COULD									
	ADM CORN					577-P. THE PROJECT ALSO INCLUDES THE INSTALLATION OF ONE 2,00 KW EMERGENCY GENERATOR. PERMIT 07-A-578-P. ALL FOUR	REQUIRE ANY NUMBER OF CONTROL TECHNOLOGIES AND						12-MONTH			
	PROCESSING - CEDAR	EMERGENCY				EMERGENCY GENERATORS HAVE THE SAME SHORT TERM BACT	OPERATIONAL REQ. TO MEET THE			AVERAGE OF 3			ROLLING			
	RAPIDS TATE & LYLE	6/29/2007 GENERATOR	DIESEL	1500	KW	LIMITS AND DIFFERENT TON/YR BACT LIMITS.	BACT STANDARD.	0.15	G/HP-H	TEST RUNS AVERAGE OF	0.17	T/YR	TOTAL 12-MONTH	0		
IA-0095	INDGREDIENTS AMERICAS, INC.	EMERGENCY 9/19/2008 GENERATOR	DIESEL	700	KW			0.2	G/KW-H	THREE STACK TEST RUNS	0.05	T/YR	ROLLING TOTAL			
		7/17/2000 GENERATION	DILULL	700				0.2	CALCH II	AVERAGE OF 3	0.00	17.11	ROLLING 12			
IA-0105	IOWA FERTILIZER COMPANY	10/26/2012 Emergency Generator	diesel fuel	142	GAL/H	rated @ 2,000 KW	good combustion practices	0.2	G/KW-H	STACK TEST RUNS	0.22	T/YR	ROLLING 12 MONTH TOTAL	0		
	CF INDUSTRIES NITROGEN, LLC -									AVERAGE OF THREE (3)			ROLLING			
	PORT NEAL NITROGEN									STACK TEST			TWELVE (12)			
	COMPLEX POWER COUNTY	7/12/2013 Emergency Generators	diesel fuel	180	GAL/H	There are two (2) identically sized generators.	good combustion practices ULSD FUEL, GOOD COMBUSTION	0.2	G/KW-H	RUNS	0.02	T/YR	MONTH TOTAL	0		
	ADVANCED ENERGY CENTER	2 MW EMERGENCY 2/10/2009 GENERATOR, SRC25	ASTM #1, 2, DIESEL	2000	kw	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	PRACTICES, EPA CERTIFIED PER NSPS IIII			SEE NOTE						
	POWER COUNTY	500 KW EMERGENCY		2000		THE TOTAL CONTROL TESTING AND MAINTENANCE					,					
	ADVANCED ENERGY CENTER	GENERATOR, FIRE 2/10/2009 PUMP, SRC26	ASTM #1, 2, DIESEL	500	KW	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	ULSD FUEL, EPA CERTIFICATION PER NSPS IIII	0		SEE NOTE				0		
	LANGLEY GULCH	EMERGENCY					TIER 2 ENGINE-BASED, GOOD COMBUSTION PRACTICES									
ID-0018	POWER PLANT	6/25/2010 GENERATOR ENGINE	DIESEL	750	KW	COMPRESSION IGNITION INTERNAL COMBUSTION (CI ICE)	(GCP)	0.2	G/KW-H		(			0		
*IL-0114	CRONUS CHEMICALS, LLC	9/5/2014 Emergency Generator	distillate fuel oil	3755	HP		Tier IV standards for non-road engines at 40 CFR 1039.102, Table 7.	0.1	G/KW-H					0		
	ST. JOSEPH ENEGRY	TWO (2) EMERGENCY				THE TWO INTERNAL COMBUSTION ENGINES, IDENTIFIED AS EG01 AND						HOURS OF OPERATIO				
	CENTER, LLC	12/3/2012 DIESEL GENERATORS	DIESEL	1006	HP EACH	EG02, EXHAUST THROUGH TWO (2) VENTS.	AND USAGE LIMITS	0.15	G/HP-H		500	N	YEARLY	0		
	ST. JOSEPH ENEGRY	EMERGENCY DIESEL				THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03,	COMBUSTION DESIGN CONTROLS					HOURS OF OPERATIO				
*IN-0158	CENTER, LLC	12/3/2012 GENERATOR	DIESEL	2012	HP	EXHAUSTS THROUGH ONE (1) VENT.	AND USAGE LIMITS USE OF LOW-S DIESEL AND	0.15	G/HP-H	3 HOURS	500		YEALRY	0		
	INDIANA	TWO (2) EMERGENCY			HORSEPOWER,		LIMITED HOURS OF NON-		PPM							
*IN-0166	GASIFICATION, LLC	6/27/2012 GENERATORS DIESEL FIRED	DIESEL	1341	EACH	IDENTIFIED AS EU-009A AND EU-009B	EMERGENCY OPERATION	15	SULFUR		+ '	1		0		
*IN-0173	MIDWEST FERTILIZER CORPORATION	EMERGENCY 6/4/2014 GENERATOR	NO. 2, DIESEL	2600	BHP	ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS. INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE						
11-01/3		DIESEL-FIRED	1.O. 2, DIEGEL	3000		ACTOR TO BE TAKEN ACTIVITY WILL FOUND IN TESTED.	GGGD COMBOSTION I RACTICES	0.13	SIII-II	JAKAYEKAGE	<u> </u>			ľ		
	OHIO VALLEY	EMERGENCY	I	4000	B-HP	ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE	1 (	,				
*IN-0179	RESOURCES, LLC	9/25/2013 GENERATOR	NO. 2 FUEL OIL	4090	D-111											
		9/25/2013 GENERATOR DIESEL FIRED EMERGENCY	NO. 2 FUEL OIL	4090	D-III	ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS.										

## Table D-D-4 Particulate Matter (PM) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

ī —		PERMIT			1									_			
RBLCID	FACILITY NAME	ISSUANCE		PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
				1				EXCLUSIVE USE OF ULSD FUEL.	1	_		1	<del></del>	1	1		
								GOOD COMBUSTION PRACTICES,									
	WILDCAT POINT							LIMITED HOURS OF OPERATION,									
	GENERATION		EMERGENCY	ULTRA LOW			40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	AND DESIGNED TO ACHIEVE									
*MD-0042	FACILITY	4/8/2014	GENERATOR 1	SULFU DIESEL	2250	KW	COMBUSTION PRACTICES	EMISSION LIMITS EXCLUSIVE USE OF ULSD FUEL.	0.1	5 G/HP-H		0	0.2 G/KW-H		(		
				ULTRA LOW				GOOD COMBUSTION PRACTICES									
	COVE POINT LNG		EMERGENCY	SULFUR			40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	AND DESIGNED TO ACHIEVE									
*MD-0044	TERMINAL	6/9/2014	GENERATOR	DIESEL	1550	HP	COMBUSTION PRACTICES	EMISSION LIMITS	0.1	5 G/HP-H		0	.2 G/KW-H			,	
	KARN WEADOCK			ULTRA LOW													
	GENERATING		EMERGENCY	SULFUR			2980 HP. OPERATIONAL LIMITS: 1 HR/DAY, 500 HRS/YR FOR PM2.5	ENGINE DESIGN AND OPERATION.									
MI-0389	COMPLEX	12/29/2009	GENERATOR	DIESEL	2000	KW	NAAQS.	15 PPM SULFUR FUEL.	0.	2 G/KW-H	TEST METHOD TEST		0		(		
											PROTOCOL:						
*MI-0400	WOLVERINE POWER	6/20/2011	Emergency generator	Diesel	4000	шр	Maximum operation was based on 500 hours per year.		0.1	5 G/HP-H	BACT/SIP/NSPS		ما				
WII-0400	WOLVERINE TOWER	0/29/2011	Emergency generator	Diesei	4000		THIS IS A 1750 KW GENERATOR THAT WAS INSTALLED IN PLACE OF		0.1	5 (6)111-11	BAC1/SII/NSI S		*		,		
	FAIRBAULT ENERGY		EMERGENCY				THE 670 HP GENERATOR (LISTED AS A ' ' IC ENGINE, LARGE							1			
MN-0071	PARK	6/5/2007	GENERATOR	NO. 2	1750	KW	FUEL OIL) IN MN-0053		0.000	7 LB/HP-H	3 HOUR		0		(	)	
	HESS NEWARK																
NJ-0080	ENERGY CENTER CORNELL COMBINED	11/1/2012	Emergency Generator	ULSD	200	H/YR		use of ULSD, a low sulfur clean fuel	0.5	9 LB/H	+	+	0	+	1	1	-
	HEAT & POWER		EMERGENCY DIESEL	LOW SULFUR				ULTRA LOW SULFUR DIESEL AT 15	.								
NY-0101	PROJECT	3/12/2008		DIESEL	1000	KW	TWO (2) GENERATORS LIMITED TO 800 HOURS FOR BOTH ANNUALLY	PPM S		9 LB/H	1 HOUR AVG		20 % OPACIT	v	0.00	G/KW-H	
111 0101	MERCK & CO.	3/12/2000	MOBILE EMERGENCY	DILULL	1000		TWO (2) OLE CLICITORS EMITED TO 000 HOCKS TOR DOTH TERROREET	11.11.0.	0.1	,	HOURING		20 70 OTTICIT		0.00	GILW II	
PA-0271	WESTPOINT	2/23/2007	GENERATOR	DIESEL					0.1	6 G/HP-H		0	.2 T/YR			,	
											12-MONTH						
	HICKORY RUN		EMERGENCY	Ultra Low sulfur							ROLLING						
*PA-0291	ENERGY STATION	4/23/2013	GENERATOR	Distillate	7.8	MMBTU/H	EMERGENCY GENERATOR (1,135 BHP - 750 KW)		0.0	2 T/YR	TOTAL		0		(		
	ML 35 LLC/PHILA		DIESEL GENERATOR (2.25 MW EACH) - 5											AS A 12-MONTH			
*PA-0292	CYBERCENTER	6/1/2012		#2 Oil			Engines are equipped with SCR and CO Oxidation catalyst		0.2	8 LB/H		0.0	03 T/YR	ROLLING			
174-0292	ENERGY ANSWERS	0/1/2012	CINITS	#2 Oil			Engines are equipped with SCR and CO Oxidation catalyst		0.2	O LD/II		0.0	05 17 TK	KOLLING	,		
	ARECIBO PUERTO																
	RICO RENEWABLE		Emergency Diesel				Emergency Generator is rated at 670 BHP and is limited to 500 hr per year										
*PR-0009	ENERGY PROJECT	4/10/2014		ULSD Fuel oil # 2			(emergency and testing and maintenance, combined)		0.1	5 G/HP-H		0.2	22 LB/H		(	)	
			DIESEL EMERGENCY	n.many		vvn.	THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR										
SC-0114	GP ALLENDALE LP	11/25/2008	GENERATOR	DIESEL	1400	HP	TESTING OR EMERGENCY PURPOSES. THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR		0.2	5 LB/H		0.0	06 T/YR		0.00	G/HP-H	
							TESTING OR EMERGENCY PURPOSES	TUNE-UPS AND INSPECTIONS WILL									
								BE PERFORMED AS OUTLINED IN									
			DIESEL EMERGENCY				THE DIESEL EMERGENCY GENERATOR IS LIMITED TO 500 HOURS OF	THE GOOD MANAGEMENT									
SC-0115	GP CLARENDON LP		GENERATOR	DIESEL	1400		OPERATION PER YEAR.	PRACTICE PLAN.	0.2	5 LB/H		0.0	06 T/YR		0.00	G/HP-H	
*SD-0005	DEER CREEK STATION	6/29/2010	Emergency Generator	Distillate Oil	2000	Kilowatts				0			0		(	)	
							The emergency generator (EPN 17-1-4) at the site is diesel fired and rated at 1500										
							horsepower (hp). Lowest Achievable Emission Rates (LAER) for nitrogen oxides										
							(NOx) is the use of a 40 Code Federal Rules (CFR) Part 89 Tier 2 engine and limited	l l									
							hours of operation. Emissions from the engine shall not exceed 0.0218 grams per							1	1		
							horsepower-hour (g/hp-hr) of nitrogen oxides (NOx). The engine is limited to 52							1	1		
							hours per year of non-emergency operation.							1			
		1					Emissions from the engine shall not exceed 0.01256 g/hp hr of carbon monoxide (CO). The fuel for the engine is limited to 15 parts per million sulfur by weight (ultra										
							low sulfur diesel). The engine is limited to 52 hours per year of non-emergency	]						1	1		
							operation.							1	1		
							Also applicable: 40CFR60 IIII Standards of Performance for Stationary Compression							1			
	PEONY CHEMICAL						Ignition Internal Combustion Engine and							1	1		
	MANUFACTURING		Emergency Diesel				40CFR63 ZZZZ, National Emissions Standards For Hazardous Air Pollutants For	Minimized hours of operations Tier II						1			
*TX-0728	FACILITY	4/1/2015	Generator	Diesel	1500	hp	Stationary Reciprocating Internal Combustion Engines.	engine	0.1	5 LB/H		0.0	01 T/YR			<u> </u>	

		PERMIT	1										T	1	1		
		ISSUANCE				THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	FACILITY NAME	DATE		PRIMARY FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
	DONLIN GOLD		250 Hp Emergency CI, Diesel-fired				Two (2) 600 kWe black start diesel generators and four (4) 1,500 kWe emergency	Clean Fuel and Good Combustion			3-HOUR						
*AK-0084	PROJECT	6/30/2017	RICE	Diesel	1500	kWe	diesel generators.	Practices	0.2	5 G/KW-HR	AVERAGE	0	)		(		
			GENERATORS														
*AL-0318	TALLADEGA SAWMILL	12/18/2017	(EU014A AND EU-	Discal			Emergency Only		l .	0					1 ,		
	MIDWEST FERTILIZER		Diesel Engines	Diesei			Ellictgency Only			G/HP-H	3 HOUR		,		,		
IN-0263	COMPANY LLC	3/23/2017	(Emergency) DEG1-13 - Diesel	DISTILLATE OIL	3600	HP EACH		GOOD COMBUSTION PRACTICES	0.1	5 EACH	AVERAGE	500	H/YR EACH		(		
			Fired Emergency														
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Generator Engine (EQT0012)	Diesel	4023	hp		Complying with 40 CFR 60 Subpart IIII	1	0			,		1 (	,	
	ST. JAMES METHANOL		SCPS Emergency	Dieses		inp							,		,		
*LA-0312	PLANT	6/30/2017	Diesel Generator 1	Diesel	1474	horsepower	Operating hours limit: 100 hr/yr.	Compliance with NSPS Subpart IIII Compliance with NESHAP 40 CFR 63	0.0	8 LB/HR		0	)		(		
								Subpart ZZZZ and NSPS 40 CFR 60									
	ST. CHARLES POWER		emergency generator					Subpart IIII, and good combustion practices (use of ultra-low sulfur diesel			HOURLY			ANNUAL			
LA-0313	STATION	8/31/2016	engines (6 units)	Diesel	2584	HP		fuel).	0.8	6 LB/H	MAXIMUM	0.21	T/YR	MAXIMUM	(		
	CAMERON LNG		Emergency Generator Engines														
LA-0316	FACILITY	2/17/2017	(4 units)	diesel	3353	hp		Complying with 40 CFR 60 Subpart IIII		0		0	)		(		
			Emergency Diesel Generator Engine				I-GDE-1201, II-GDE-1201 = 2346 hp										
	METHANEX - GEISMAR		(EUEMRGRICE in				I-GDE-1202 = 755 hp	complying with 40 CFR 60 Subpart IIII									
LA-0317	METHANOL PLANT	12/22/2016	FGRICE)	Diesel	0		I-GDE-1203 = 1193 hp	and 40 CFR 63 Subpart ZZZZ	-	0	TEST	1 0	)		-	1	
	GRAYLING		EUEMENGINE					Certified engines, good design, operation			PROTOCOL WILL SPECIFY						
MI-0421	PARTICLEBOARD	8/26/2016	(Diesel fuel emergency engine)	Diesel	500	H/YR	One emergency diesel generator engine rated at 1600 kW (EUEMRGRICE in FGRICE).	and combustion practices. Operational restrictions/limited use.	1.4	1 LB/H	AVG TIME.		)			,	
			, , , , , , , , , , , , , , , , , , , ,		-												
			EUFPENGINE				a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine manufactured in 2011 or later and a displacement of <10 liters/cylinder. Restricted										
			(Emergency engine				to 4 hours/day, except during emergency conditions and stack testing, and 500										
MI-0423	INDECK NILES, LLC	1/4/2017	diesel fire pump)	Diesel Fuel	22.68	MMBTU/H	hours/year on a 12-month rolling time period basis.  A 260 brake horsepower (bhp) diesel-fueled emergency engine manufactured in 2011	Good combustion practices.	1.5	8 LB/H	HOURLY	0	)		1		
			EUEMRGRICE1 in FGRICE				or later and a displacement of <10 liters/cylinder. Powers a fire pump used for a										
			(Emergency diesel				back up during an emergency (EUFPENGINE). Restricted to 1 hour/day, except during emergency conditions and stack testing, and 100 hours/year on a 12-month										
MI-0423	INDECK NILES, LLC	1/4/2017	generator engine)	Diesel	1.66	MMBTU/H	rolling time period basis.	Good combustion practices	0.5	7 LB/H	HOURLY	0	)		(		
			EUEMRGRICE2 in FGRICE					Certified engines, good design, operation			TEST						
	GRAYLING		(Emergency Diesel				One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE1 in	and combustion practices. Operational			PROTOCOL				1		
MI-0425	PARTICLEBOARD	5/9/2017	Generator Engine) EUEMENGINE	Diesel	500	H/YR	FGRICE).	restrictions/limited use. Certified engines. Good design, operation	1 0.6	6 LB/H	SHALL SPECIFY TEST	0	)		1	1	
MI-0425	GRAYLING PARTICLEBOARD	510,72015	(North Plant):	D: 1	500	H/YR	One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE2 in FGRICE).	and combustion practices. Operational restrictions/limited use.		2 LB/H	PROTOCOL SHALL SPECIFY						
MI-0425	PARTICLEBOARD	5/9/201	Emergency Engine	Diesel	500	H/YK	A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model		0.2	Z LB/H	SHALL SPECIFY	-	,		1	<u>'</u>	
	MEC NORTH, LLC AND		EUEMENGINE (South Plant):				year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with Tier IV emission standards. Equipped with a diesel	Diesel particulate filter, good combustion									
*MI-0433	MEC SOUTH LLC	6/29/2018	Emergency Engine	Diesel	1341	HP	particulate filter.	practices and meeting NSPS Subpart IIII requirements.	0.5	4 LB/H	HOURLY	0	)			,	
							A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency engine with a model year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to	Diesel particulate filter, good combustion									
	MEC NORTH, LLC AND		EUEMENGINE:				be compliant with Tier IV emission standards. Equipped with a diesel particulate	practices and meeting NSPS Subpart IIII									
*MI-0433	MEC SOUTH LLC BELLE RIVER	6/29/2018	Emergency engine Diesel Fired	Diesel	1341	HP	filter.  A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later	requirements.	0.5	4 LB/H	HOURLY	0	)		(		
	COMBINED CYCLE		Emergency				and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified	1									
*MI-0435	POWER PLANT PSEG FOSSIL LLC	7/16/2018	Generator DIESEL-FIRED	Diesel	2	MW	engine subject to NSPS IIII.	State of the art combustion design	1.1	8 LB/H	HOURLY	0	)		(	-	
	SEWAREN		EMERGENCY														
NJ-0084	GENERATING STATION	3/10/2016	GENERATOR 3000	ULSD	44	H/YR		use of ULSD a clean burning fuel, and limited hours of operation	0.2	6 LB/H					1 ,		
5007		5/10/2010	PROPANE-FIRED		***			and an or operation	0.2			1			1		
	GREENSVILLE POWER		EMERGENCY GENERATORS					Ultra Low Sulfur Diesel/Fuel (15 ppm						12 MO ROLLING	,		
*VA-0325	STATION	6/17/2016	150 kW (2)	DIESEL FUEL	0			max)	0.	4 G/KW	PER HR	1	T/YR	TOTAL	(		
	GREENSVILLE POWER		Emergency Generator -														
	STATION		ESDG14	PROPANE	0			TH OR		9 G/HP-H	PER HR	0	)		1		
WV-0027	INWOOD INTERNATIONAL	9/15/2017	Caterpillar 3215C	ULSD	900	bhp	Used to supply power to the facility in the event of power loss	ULSD	0.	2 G/HP-HR	+	1 0	)		+ '	1	
AV 0071	STATION POWER	12.70.000	Black Start	III CD		LW.		0 10 1 4 7 4		CAID II	INSTANTANEOU	1	,		1 .	]	
AK-0071	PLANT	12/20/2010	Generator (1)	ULSD	1500	KW-c		Good Combustion Practices		3 G/HP-H	2	1 0	,		+ '	1	
								Black Start diesel fired engine EU 13 shal be equipped with turbo charging and after	1								
								cooling. The turbo charger reduces NOx									
								emissions by boosting the pressure and temperature of the air entering the engine									
								allowing more fuel to be added to increase	e								
	INTERNATIONAL STATION POWER							power output. This translates into higher combustion efficiency and reduced									
AK-0073	PLANT	12/20/2010	Fuel Combustion	Diesel	1500	kW-e	EU 13 Black Start Engine	emissions.	0.0	3 G/HP-H		0	)				
	POINT THOMSON PRODUCTION		Emergency Camp	Ultra Low Sulfur													
*AK-0082	FACILITY	1/23/2015	Generators	Diesel	2695	hp	Three 2,695 hp ULSD-fired Standby Camp Generator Engines.		0.1	5 G/HP-H		0	)		(		
	POINT THOMSON PRODUCTION		Bulk Tank	Ultra Low Sulfur													
*AK-0082	FACILITY	1/23/2015		Diesel	891	hp	Two ULSD-fired 891 hp Bulk Tank Storage Area Generator Engines		0.1	5 G/HP-H		0	)				

	I	PERMIT	I	I	I	I	I		1	1							
		ISSUANCE				THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID	PALMDALE HYBRID	DATE	EMERGENCY IC	PRIMARY FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
CA-1212	POWER PROJECT	10/18/2011		DIESEL	2683	HP .	UNIT IS 2000 KW.	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H		0.1	15 G/HP-H		0		
	SHADY HILLS GENERATING		2.5 MW EMERGENCY	ULTRA LOW S				FIRING ULSO WITH A MAXIMUM SULFUR CONTENT OF 0.0015% BY WEIGHT AND A MAXIMUM HOURS			NA /RECORDKEEPI						
FL-0310	STATION	1/12/2009	GENERATOR	OIL	2.5	MW	MAXIMUM HOURS OF OPERATION: 500 HRS/YR	OF OPERATION OF 500 HOUR/YR.		G/HP-H	NG		0		0		
	SHADY HILLS GENERATING		2.5 MW EMERGENCY	III TRA LOWG				FIRING ULSO WITH A MAXIMUM SULFUR CONTENT OF 0.0015% BY WEIGHT AND A MAXIMUM HOURS			NA /RECORDKEEPI						
FL-0310	STATION	1/12/2009	GENERATOR	ULTRA LOW S OIL	2.5	MW	MAXIMUM HOURS OF OPERATION: 500 HRS/YR	OF OPERATION OF 500 HOUR/YR.		G/HP-H	NG		0				
12 0310		1712/2009	OLIVLION .	512			MUMICIAN ROOK OF OFERENCE STORY	Use of good combustion practices based on the current manufacturer's	0.4	GIII II							
			Emergency Generator Diesel Engine -					specifications for these engines, use of low sulfur diesel fuel, positive crankcase ventilation, turbocharger with aftercooler.			PER YEAR 12 MONTH						
	SAKE PROSPECT		Development Driller					high pressure fuel injection with	`		ROLLING						
*FL-0338	DRILLING PROJECT	5/30/2012	1	Diesel	2229	hp		aftercooler	0.03	T/YR	TOTAL		0		0		
								Use of good combustion practices based on the current manufacturerâ <sup>CTM</sup> s specifications for these engines, use of									
								low sulfur diesel fuel, positive crankcase			PER YEAR 12						
	SAKE PROSPECT		Emergency Generator Diesel					ventilation, turbocharger with aftercooler, high pressure fuel injection with	·		MONTH ROLLING		1				
*FL-0338	DRILLING PROJECT	5/30/2012	Engine - C.R. Luigs	diesel	2064	1 hp	Caterpillar D3516A 1998	aftercooler	0.02	T/YR	TOTAL		0		0		
	ANADARKO PETROLEUM		Main Propulsion					Use of good combustion practices based on the most recent manufacturer's specifications issued for engines and with	1								
*FL-0347	CORPORATION - EGOM	9/16/2014	Generator Diesel Engines	Diesel	9910	hp	Four 1998 Wartsila 18V32LNE 9910 hp and Two 1998 Wartsila 12V32LNE 6610 hp	turbocharger, aftercooler, and high injection pressure	0.24	G/KW-H	ROLLING 24 HOUR AVERAGE		0				
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					THREE 1,500 KW EMERGENCY GENERATORS ARE BEING INSTALLED AS A PART OF THIS PROJECT. PERMITS 07-A-542-P, 07-A-576-P AND 07-A-577-P. THE PROJECT ALSO INCLUDES THE INSTALLATION OF ONE 2,00	REQUIRE ANY NUMBER OF									
	ADM CORN PROCESSING - CEDAR		EMERGENCY				KW EMERGENCY GENERATOR. PERMIT 07-A-578-P. ALL FOUR EMERGENCY GENERATORS HAVE THE SAME SHORT TERM BACT	CONTROL TECHNOLOGIES AND OPERATIONAL REQ. TO MEET THE	.		AVERAGE OF 3			12-MONTH ROLLING			
IA-0088	RAPIDS	6/29/2007	GENERATOR	DIESEL	1500	kw	LIMITS AND DIFFERENT TON/YR BACT LIMITS.	BACT STANDARD.		G/HP-H	TEST RUNS	0.1	17 T/YR	TOTAL	0		
	TATE & LYLE INDGREDIENTS		EMERGENCY								AVERAGE OF THREE STACK			12-MONTH			
IA-0095	AMERICAS, INC.	9/19/2008	GENERATOR	DIESEL	700	kw			0.2	G/KW-H	TEST RUNS	0.0	08 T/YR	ROLLING TOTAL	0		
	IOWA FERTILIZER		E								AVERAGE OF 3 STACK TEST			ROLLING 12			
IA-0105	COMPANY	10/26/2012	Emergency Generator	diesel fuel	142	GAL/H	rated @ 2,000 KW	good combustion practices	0.2	G/KW-H	RUNS	0.2	22 T/YR	MONTH TOTAL	0		
	CF INDUSTRIES NITROGEN, LLC -										AVERAGE OF THREE (3)			ROLLING			
	PORT NEAL NITROGEN		Emergency								STACK TEST			TWELVE (12)			
*IA-0106	COMPLEX	7/12/2013	Generators 2 MW	diesel fuel	180	GAL/H	There are two (2) identically sized generators.	good combustion practices	0.2	G/KW-H	RUNS	0.0	02 T/YR	MONTH TOTAL	0		
	POWER COUNTY		EMERGENCY					ULSD FUEL, GOOD COMBUSTION									
ID-0017	ADVANCED ENERGY CENTER	2/10/2009	GENERATOR, SRC25	ASTM #1, 2, DIESEL	2000	kw	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	PRACTICES, EPA CERTIFIED PER NSPS IIII			SEE NOTE		0				
10 001/		2/10/2009	500 KW		2000	1	TO 100 IF THE OR ROOTH E TESTING AND MAINTENANCE		1						1		<b>T</b>
	POWER COUNTY		EMERGENCY GENERATOR,														
ID-0017	ADVANCED ENERGY CENTER	2/10/2009	FIRE PUMP, SRC26	ASTM #1, 2, DIESEL	500	kw	LIMITED TO 100 H/YR FOR ROUTINE TESTING AND MAINTENANCE	ULSD FUEL, EPA CERTIFICATION PER NSPS IIII			SEE NOTE		0				
	CRONUS CHEMICALS,		Emergency				THE TATOR ROOMS TESTING AND MAINTENANCE	Tier IV standards for non-road engines at	1								T
*IL-0114	LLC	9/5/2014	Generator TWO (2)	distillate fuel oil	3755	5 HP		40 CFR 1039.102, Table 7.	0.1	G/KW-H	+	-	0		- 0	-	+
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012		DIESEL	1006	5 HP EACH	THE TWO INTERNAL COMBUSTION ENGINES, IDENTIFIED AS EG01 ANI EG02, EXHAUST THROUGH TWO (2) VENTS.	COMBUSTION DESIGN CONTROLS AND USAGE LIMITS	0.15	G/HP-H	3 HOURS	50	HOURS OF OPERATIO N	YEARLY	0		
	ST. JOSEPH ENEGRY		EMERGENCY DIESEL				THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03,	COMBUSTION DESIGN CONTROLS					HOURS OF OPERATIO				
*IN-0158	CENTER, LLC	12/3/2012	GENERATOR	DIESEL	2012	HP	EXHAUSTS THROUGH ONE (1) VENT.	AND USAGE LIMITS		G/HP-H	3 HOURS	50	00 N	YEALRY	0		
	INDIANA		TWO (2) EMERGENCY			HORSEPOWER,		USE OF LOW-S DIESEL AND LIMITED HOURS OF NON-		PPM							
*IN-0166	GASIFICATION, LLC	6/27/2012	GENERATORS	DIESEL	1341	EACH	IDENTIFIED AS EU-009A AND EU-009B	EMERGENCY OPERATION	15	SULFUR			0		0		
	MIDWEST FERTILIZER		DIESEL FIRED EMERGENCY				ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS.										
*IN-0173	CORPORATION	6/4/2014	GENERATOR	NO. 2, DIESEL	3600	BHP	INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE		0		0		
*IN-0179	OHIO VALLEY RESOURCES, LLC	9/25/2012	DIESEL-FIRED EMERGENCY GENERATOR	NO. 2 FUEL OIL	A601	B-HP	ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE		0				
111-01/9		912312013	DIESEL FIRED	Z FOLL OIL	4090			GGGD COMBOSTION TRACTICES	0.13	G/111-11	J.IK AVERAGE						<b>T</b>
*IN-0180	MIDWEST FERTILIZER CORPORATION	6/4/2014	EMERGENCY GENERATOR	NO. 2, DIESEL	3600	ВНР	ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS. INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE		0				
			EMERGENCY		5000		21-08: 1341 HP		0.13								
			GENERATORS (DOCK & amp;				21-08: 1341 HP 22-08: 671 HP										
LA-0211	GARYVILLE REFINERY	12/27/2007	TANK FARM) (21-	DIESEL.	1341	l <sub>III</sub>	GENERATORS PERMITTED FOR 182 H/YR EA.	USE OF DIESEL WITH A SULFUR CONTENT OF 15 PPMV OR LESS	0.0000	LB/HP-H	ANNUAL AVERAGE						
[LA-0211	DAKT VILLE KEFINERY	12/2//2006	08 & amp; 22-08)	DIESEL	1341	Inr	GENERATORS FERMITTED FOR 182 H/TR EA.	CONTENT OF 15 PPMV OR LESS	0.0022	LB/HP-H	AVERAGE		VI.		1 0		

		PERMIT															
RBLCID	FACILITY NAME	ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
			DIESEL					GOOD COMBUSTION PRACTICES,									
	CREOLE TRAIL LNG		EMERGENCY GENERATOR					GOOD ENGINE DESIGN, AND USE OF LOW SULFUR AND LOW ASH			HOURLY			ANNUAL			
LA-0219	IMPORT TERMINAL	8/15/2007	NOS. 1 & amp; 2	DIESEL	2168	HP EACH		DIESEL	0.69	LB/H	MAXIMUM		.17 T/YR	MAXIMUM	0		
	LAKE CHARLES		EMERGENCY DIESEL POWER														
	GASIFICATION		GENERATOR					COMPLY WITH 40 CFR 60 SUBPART			MAXIMUM						
LA-0231	FACILITY FLOPAM INC.	6/22/2009	ENGINES (2) Large Generator	DIESEL	1341	HP EACH	11 units: 591 hp	IIII	0.06	LB/H	(EACH)	1	.02 G/HP-H		0		
LA-0251	FACILITY	4/26/2011	Engines (17 units)	Diesel	0		6 units: 1175 hp		0.01	LB/H			0.2 G/KW-H				
	NINEMILE POINT ELECTRIC		EMERGENCY DIESEL					ULTRA LOW SULFUR DIESEL AND			ANNUAL						ANNUAL
LA-0254	GENERATING PLANT		GENERATOR	DIESEL	1250	HP		GOOD COMBUSTION PRACTICES	0.15	G/HP-H	AVERAGE		0		0.15	G/HP-H	AVERAGE
	AMMONIA		EMERGENCY DIESEL														
	PRODUCTION		GENERATOR					Compliance with 40 CFR 60 Subpart IIII;	:								
*LA-0272	FACILITY SALEM HARBOR	3/27/2013	(2205-B)	DIESEL	1200	HP	OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/YR.	good combustion practices.	0				0		0.2	G/KW-HR	
	STATION		Emergency				â‰□ 300 hours of operation per 12-month rolling period				1 HR BLOCK			1 HR BLOCK			
*MA-0039	REDEVELOPMENT	1/30/2014	Engine/Generator	ULSD	7.4	MMBtu/hr	S in ULSD: â‰=0.0015% by weight	EXCLUSIVE USE OF ULSD FUEL,	0.15	G/HP-H	AVERAGE	-	.36 LB/H	AVERAGE	0		
								GOOD COMBUSTION PRACTICES,									
	WILDCAT POINT GENERATION		EMERGENCY	ULTRA LOW			40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	LIMITED HOURS OF OPERATION, AND DESIGNED TO ACHIEVE									
*MD-0042	FACILITY	4/8/2014	GENERATOR 1	SULFU DIESEL	2250	KW	COMBUSTION PRACTICES	EMISSION LIMITS	0.15	G/HP-H			.23 G/KW-H		0		
			EMERGENCY					EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES,									
	WILDCAT POINT		DIESEL ENGINE					LIMITED HOURS OF OPERATION,									
*MD-0042	GENERATION	4/8/2014	FOR FIRE WATER	ULTRA LOW SULFUR DIESEL	477	LID	40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	AND DESIGNED TO ACHIEVE EMISSION LIMITS	0.15	G/HP-H			.23 G/KW-H				
*MD-0042	FACILITY	4/8/2014	PUMP	SULFUR DIESEL	4//	HP	COMBUSTION PRACTICES	GOOD COMBUSTION PRACTICES,	0.15	G/HP-H		1	1.23 G/KW-H		-		
	PERRYMAN		na emp ora corr					LIMITED HOURS OF OPERATION,									
*MD-0043	GENERATING STATION	7/1/2014	EMERGENCY GENERATOR	ULTRA LOW SULFUR DIESEL	1300	HP	40 CFR 60 SUBPART IIII, GOOD COMBUSTION PRACTICES	AND EXCLUSIVE USE OF ULSD	0.17	G/HP-H	CONDENSIBLE FILTERABLE	†	.15 G/HP-H	FILTERABLE			
								EXCLUSIVE USE OF ULSD FUEL,									
	COVE POINT LNG		EMERGENCY	ULTRA LOW			40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	GOOD COMBUSTION PRACTICES AND DESIGNED TO ACHIEVE									
*MD-0044	TERMINAL	6/9/2014	GENERATOR	SULFUR DIESEL	1550	HP	COMBUSTION PRACTICES	EMISSION LIMITS	0.17	G/HP-H			0.23 G/KW-H		0		
	KARN WEADOCK GENERATING		EMERGENCY	ULTRA LOW			2980 HP. OPERATIONAL LIMITS: 1 HR/DAY, 500 HRS/YR FOR PM2.5	ENGINE DESIGN AND OPERATION.									
MI-0389	COMPLEX	12/29/2009	GENERATOR	SULFUR DIESEL	2000	KW	NAAQS.	15 PPM SULFUR FUEL.	0.0573	LB/MMBTU	TEST METHOD		0		0		
			Turbine generator (EUBLACKSTART				This is a turbine generator identified in the permit as EUBLACKSTART. It has a throughput capacity of 540MMBTU/HR which equates to 102 MW. The maximum				TEST			TEST			
*MI-0400	WOLVERINE POWER	6/29/2011	)	Diesel	540	MMBTU/H	operation was based on 500 hours per year.		0.03	LB/MMBTU	PROTOCOL		6.2 LB/H	PROTOCOL	0		
			Emergency								TEST PROTOCOL;						
*MI-0400	WOLVERINE POWER	6/29/2011	generator	Diesel	4000	HP	Maximum operation was based on 500 hours per year.		1.76	LB/H	BACT		0		0		
	FAIRBAULT ENERGY		EMERGENCY				THIS IS A 1750 KW GENERATOR THAT WAS INSTALLED IN PLACE OF THE 670 HP GENERATOR (LISTED AS A ''IC ENGINE, LARGE										
MN-0071	PARK	6/5/2007	GENERATOR	NO. 2	1750	KW	FUEL OIL) IN MN-0053	,	0.0004	LB/HP-H	3 HOUR		0		0		
NJ-0079	WOODBRIDGE ENERGY CENTER	7/25/2012	Emergency Generator	Ultra Low Sulfur distillate Diesel	100	H/YR	The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with 15 ppm % Sulfur by weight only	Use of ULSD oil	0.13	LB/H			0				
	HESS NEWARK		Emergency				15 ppin 70 bands by Weight bany	OLG OF GEOD OF							,		
NJ-0080	ENERGY CENTER	11/1/2012	Generator	ULSD	200	H/YR	UNIT FL12 IS A DETROIT DIESEL GENERATOR AT FLAMINGO LAS		0.66	LB/H			0		0		
							VEGAS. LIKE ALL THE OTHER DIESEL GENERATORS, THE UNIT IS										
			SMALL				SUBJECT TO THE LIMIT OF MONTHLY AND ANNUAL OPERATING TIMES FOR 2 HOURS PER MONTH AND 36 HOURS PER YEAR										
			INTERNAL				RESPECTIVELY. EMISSION FACTORS LISTED IN AP-42 ARE USED TO										
	HARRAH'S OPERATING		COMBUSTION ENGINE (<600				CALCULATE THE EMISSION LIMITS FOR EACH AND EVERY DIESEL GENERATOR IN THIS MAJOR STATIONARY SOURCE, AND ARE NOT	THE UNIT IS EQUIPPED WITH A									
NV-0049	COMPANY, INC.	8/20/2009	HP) - UNIT FL12	DIESEL OIL	536	HP	REPEATED FURTHER FOR REPORTING THE BACT DETERMINATIONS.	TURBOCHARGER.	0.0022	LB/HP-H			.18 LB/H		0.0022	LB/HP-H	
			DIESEL EMERGENCY				THE SEVEN UNITS ARE IDENTICAL CATERPILLAR DIESEL EMERGENCY GENERATORS, EACH OF WHICH IS RATED AT 3.622 HORSEPOWER (HP)	7									
			GENERATORS -				OPERATION OF EACH OF THE UNITS IS LIMITED TO ONE HOUR/DAY										
			UNITS CC009 THRU CC015 AT				AND TWELVE HOURS/YEAR FOR TESTING AND MAINTENANCE PRUPOSES ONLY. THE EMISSION LIMITS ARE BASED ON THE ATC	TURBOCHARGER AND GOOD									
NV-0050	MGM MIRAGE	11/30/2009	CITY CENTER	DIESEL OIL	3622	HP	PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	COMBUSTION PRACTICES	0.0001	LB/HP-H			0.4 LB/H		0.0001	LB/HP-H	
							THE TWO UNITS ARE IDENTICAL CATERPILLAR GENERATORS MODEL 3512C. EACH UNIT HAS A FOUR-STROKE COMPRESSION-IGNITION										
			EMERGENCY				ENGINE RATED AT 2,206 HORSE POWER (HP). THE EMISSION LIMITS										
			GENERATORS - UNITS LX024	1			REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #10 DATED SEPTEMBER 20, 2006. EACH UNIT IS							1	1		
			AND LX025 AT	1			ALLOWED TO OPERATE UP TO ONE HOUR PER DAY AND FIFTY TWO	TURBOCHARGER AND GOOD						1	1		
NV-0050	MGM MIRAGE	11/30/2009	LUXOR EMERGENCY	DIESEL OIL	2206	HP	HOURS PER YEAR.	COMBUSTION PRACTICES	0.0001	LB/HP-H			0.2 LB/H	+	0.0001	LB/HP-H	
	CORNELL COMBINED HEAT & POWER		DIESEL	LOW SULFUR				ULTRA LOW SULFUR DIESEL AT 15						1	1		
NY-0101	PROJECT	3/12/2008	GENERATORS (2)	DIESEL	1000	KW	TWO (2) GENERATORS LIMITED TO 800 HOURS FOR BOTH ANNUALLY 2922 MAXIMUM HORSE POWER	PPM S		LB/H	1 HOUR AVG		20 % OPACIT	Y	0.09	G/HP-H	
				1			SUBJECT TO NSPS SUBPART IIII. WILL INSTALL NON-RESETTABLE							1	1		
				1			HOUR METER PRIOR TO STARTUP PER 40 CFR 60.4209(A)							1	1		
	OTHER DEFINITION OF THE			1			DIESEL FUEL SHALL MEET THE REQUIREMENTS OF 40 CFR 80.510 AND										
OH-0317	OHIO RIVER CLEAN FUELS, LLC	11/20/2008	EMERGENCY GENERATOR	DIESEL FUEL OIL	2922	HP	60.4207: SULFUR CONTENT OF 15 PPM MAXIMUM, CETANE INDEX OF 40 MINIMUM OR AROMATIC CONTENT OF 35 VOLUME % MAXIMUM	GOOD COMBUSTION PRACTICES AND GOOD ENGINE DESIGN	0.87	LB/H		"	1.22 T/YR	PER ROLLING 1: MONTH PERIOD	0.2	G/KW-H	FROM PART 89, SECTION 112
	OREGON CLEAN		Emergency				Emergency diesel fired generator restricted to 500 hours of operation per rolling 12-	Purchased certified to the standards in						PER ROLLING 1:	2-		
OH-0352	ENERGY CENTER	6/18/2013	generator	diesel	2250	KW	months.	NSPS Subpart IIII	0.99	LB/H			.25 T/YR	MONTHS			SEE NOTES

	1	PERMIT	1				I	1	1	1						
		ISSUANCE				THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD	AVG TIME
RBLCID	FACILITY NAME	DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT UNIT	CONDITION
			EMERGENCY													
			DIESEL					USE OF LOW SULFUR NO.2 FUEL								
			INTERNAL					OIL COMBINED WITH GOOD								
	HUGO GENERATING		COMBUSTION					COMBUSTION PRACTICES AND			l					
OK-0118	STA MID AMERICAN STEEL		Emergency					LIMITED ANNUAL OPERATION	0		SEE NOTE	0			0	
OK-0128	ROLLING MILL		Emergency Generator	No. 2 diesel	1200	шь			0.84	LB/H		0.21	T/YR		0.32 G/HP-H	
OK-0128	ROLLING MILL	9/8/2000	EMERGENCY	IVO. 2 dieser	1200				0.04	LINII		0.21	1/1 K		0.52 (6/11-11	
			DIESEL													
	CHOUTEAU POWER		GENERATOR	LOW SULFUR												
OK-0129	PLANT	1/23/2009	(2200 HP)	DIESEL	2200	HP			0.72	LB/H		0.2	G/KW-H	NSPS	0	
	A CONTRACTOR OF THE PARTY OF TH		MOBILE													
	MERCK & CO. WESTPOINT		EMERGENCY GENERATOR	DIESEL						G/HP-H			T/YR			
PA-0271	MOXIE LIBERTY	2/23/200	GENERATOR	DIESEL					0.16	G/HP-H		0.2	I/YR	_	0	
	LLC/ASYLUM POWER		Emergency													
PA-0278	PL T		Generator	Diesel	(		The emergency generator will be restricted to operate not more than 100 hr/vr.		0.02	G/HP-H		0.06	LB/H		l ol	
	ENERGY ANSWERS															
	ARECIBO PUERTO															
	RICO RENEWABLE		Emergency Diesel				Emergency Generator is rated at 670 BHP and is limited to 500 hr per year									
*PR-0009	ENERGY PROJECT	4/10/2014	Generator DIESEL	ULSD Fuel oil # 2	(		(emergency and testing and maintenance, combined)		0.15	G/HP-H		0.22	LB/H	_	0	
			EMERGENCY				THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR									
SC-0114	GP ALLENDALE LP	11/25/2009	GENERATOR	DIESEL.	1400	HP	TESTING OR EMERGENCY PURPOSES.		0.2	LB/H		0.05	T/YR		0.06 G/HP-H	
DC 0111	OI THELESTER IS	11/25/2001	OLIVEROTI OR	DILOLL	1100		THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR		0.2	LLIVII		0.03	17110		0.00 (3111 11	
							TESTING OR EMERGENCY PURPOSES.	TUNE-UPS AND INSPECTIONS WILL								
			DIESEL					BE PERFORMED AS OUTLINED IN								
			EMERGENCY				THE DIESEL EMERGENCY GENERATOR IS LIMITED TO 500 HOURS OF	THE GOOD MANAGEMENT								
SC-0115	GP CLARENDON LP	2/10/2009	GENERATOR	DIESEL	1400	HP	OPERATION PER YEAR.	PRACTICE PLAN.	0.2	LB/H		0.05	T/YR		0.06 G/HP-H	
							The emergency generator (EPN 17-1-4) at the site is diesel fired and rated at 1500									
							horsepower (hp). Lowest Achievable Emission Rates (LAER) for nitrogen oxides									
							(NOx) is the use of a 40 Code Federal Rules (CFR) Part 89 Tier 2 engine and limited	I .								
							hours of operation. Emissions from the engine shall not exceed 0.0218 grams per									
							horsepower-hour (g/hp-hr) of nitrogen oxides (NOx). The engine is limited to 52									
							hours per year of non-emergency operation.  Emissions from the engine shall not exceed 0.01256 g/hp hr of carbon monoxide									
							(CO). The fuel for the engine is limited to 15 parts per million sulfur by weight (ultra	_							1	
							low sulfur diesel). The engine is limited to 52 hours per year of non-emergency									
	1	1					operation.							1		
							Also applicable: 40CFR60 IIII Standards of Performance for Stationary Compression								1	
	PEONY CHEMICAL						Ignition Internal Combustion Engine and								1	
	MANUFACTURING		Emergency Diesel				40CFR63 ZZZZ, National Emissions Standards For Hazardous Air Pollutants For	Minimized hours of operations Tier II								
*TX-0728	FACILITY	4/1/2015	Generator	Diesel	1500	hp	Stationary Reciprocating Internal Combustion Engines.	engine	0.15	LB/H	1	0.01	T/YR		0	

BBLCID   FACILITY NAME   DATE   P	RMIT															
DONLIN GOLD  *AK-0084  DONLIN GOLD  *AK-0084  PROJECT  630-2017 E  E  C  *AL-0318  TALLADEGA SAWMILL  12/18/2017 E  E  MIDWEST FERTILIZER  (COMPANY LIC  SOMPRESSOR  STATION  1/22-016 &  E  COMPRESSOR  1/22-016 &  E  COMPRESSOR  1/22-016 &  E  LA-0315  LA-0315  STATION  ST. JAMES METHANOL  LA-0312  ST. JAMES METHANOL  CAMERON LNG  FACILITY  1/2-0312  ST. CHARLES POWER  STATION  STATION  STATION  STATION  STATION  METHANOL FACILITY  2/17/2017 III  METHANOL FACILITY  METHANOL FACILITY  METHANOL FACILITY  METHANOL FACILITY  METHANOL PLANT  E  GRAYLING  MI-0421  NDECK NILES, LLC  MI-0423  NDECK NILES, LLC  MI-0423  NDECK NILES, LLC  MI-0424  METHANOL FACILITY  METHANOL PLANT  E  GRAYLING  MI-0423  NDECK NILES, LLC  MI-0424  METHANOL FACILITY  METHANOL PLANT  MI-0425  PARTICLEBOARD  SP9/2017  MI-0425  MEC NORTH, LLC AND  METHANOL AND  METHANO	UANCE			mun ou ounum	THROUGHPUT		CONTROL METHOD	EMISSION	******	AVG TIME	EMISSION	*121800	AVG TIME	STANDARAD		AVG TIME
DONLIN GOLD  *AK-0084 PROJECT  DONLIN GOLD  *AK-0084 PROJECT  DONLIN GOLD  *AL-0318 TALLADEGA SAWMILL  12/18/2017 E  GRAVLING  MIDWEST FERTILIZER  COMPANY LLC  3/23/2017 O  MIDWEST FERTILIZER  COMPANY LLC  3/23/2017 O  E  GRAVING  METHANOL FACILITY  ST. JAMES METHANOL  CAMERON LNG  STATION  ST. CHARLES POWER  STATION  MECAPOLITY  ST. CHARLES POWER  STATION  ST. CHARLES POWER  STATION  MECAPOLITY  ST. CHARLES POWER  STATION  MECAPOLITY  ST. CHARLES POWER  STATION  MECAPOLITY  ST. CHARLES POWER  STATION  DECEMBER POWER  ST. CHARLES  COMPANY LLC  SEWAREN  DECEMBER POWER  STATION	TE PROCESS NAME	PROCESS NAME PR	RIMARY FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
DONLIN GOLD  *AK-0084  *PROJECT  AK-0084  *AL-0318  TALLADEGA SAWMILL  12/18/2017 R  22  24  24  25  24  26  37  27  27  27  27  27  27  27  27  27	Black Start and															
*AK-084 PROJECT 6-30-2017 E *AL-0318 TALLADEGA SAWMILL 12/18/2017 C *AL-0318 TALLADEGA SAWMILL 12/18/2017 C *AL-0318 TALLADEGA SAWMILL 12/18/2017 C *MIDWEST FERTILIZER G MIDWEST FERTILIZER G MIDWEST FERTILIZER G COMPANY LLC 3/23/2017 0  HOLBROOK COMPRESSOR STATION 1/22/2016 & LA-0305 METHANOL FACILITY 6-30/2016 (I *LA-0315 LA-0315 FACILITY 6-30/2016 (I *LA-0316 ST. JAMES METHANOL G *LA-0317 ST. JAMES METHANOL G CAMERON LNG 2/17/2017 (I *AL-0316 FACILITY 2/17/2017 (I *METHANEX - GEISMAR LA-0317 METHANOL PLANT 12/22/2016 (I *MI-0421 PARTICLEBOARD 8/26/2016 F  MI-0423 NDECK NILES, LLC 1/4/2017 of  MI-0423 NDECK NILES, LLC 1/4/2017 of  MI-0424 PARTICLEBOARD 5-9/2017 (I *MI-0425 PARTICLEBOARD 5-9/2017 (I *MI-0426 GRAYLING G MI-0427 METHANOL FALL C 1/4/2017 of  METHANOL FALL C 1/4/2017 of  MI-0428 NDECK NILES, LLC 1/4/2017 of  MI-0429 PARTICLEBOARD 5-9/2017 (I *MI-0429 PARTICLEBOARD 5-9/2017 (I *MI-0429 PARTICLEBOARD 5-9/2017 (I *MI-0429 FARTICLEBOARD 5-9/2017 (I *MI-0429 FARTICLEBOARD 5-9/2017 (I *MI-0429 FARTICLEBOARD 5-9/2017 (I *MI-0429 FARTICLEBOARD 5-9/2017 (I *MI-0430 MEC NORTH, LLC AND MEC SOUTH LLC SEWAREN GENERAL LLC SEWAREN	Emergency Internal Cumbustion	Emergency Internal Cumbustion				Two (2) 600 kWe black start diesel generators and four (4) 1,500 kWe emergency	Clean Fuel and Good Combustion			3-HOUR						
**AL-0318 TALLADEGA SAWMILL 12/18/2017 C  **AL-0318 TALLADEGA SAWMILL 12/18/2017 C  MIDWEST FERTILIZER G  COMPANY LLC 3/23/2017 0  HOLBROOK COMPRESSOR STATION 1/22/2016 & COMPANY LLC SEWAREN STATION 1/22/2016 & COMPANY LLC SEWAREN STATION	6/30/2017 Engines	017 Engines Di	esel	1500	kWe	diesel generators.	Practices	0.25	G/KW-HR	AVERAGE	0			0		
*AL-0318 TALLADEGA SAWMILL 12/18/2017 R  MIDWEST FERTILIZER (G.	250 Hp Emergency CI, Diesel-fired	250 Hp Emergency														
MIDWEST FERTILIZER	12/18/2017 RICE	017 RICE Die	esel	0		Emergency Only		0			0			0		
MIDWEST FERTILIZER   MIDWEST FERTILIZER   MIDBROOK   COMPANY LIC   323/2017   MIDBROOK   COMPANY LIC   MIDBROOK   COMPANY LIC   MIDBROOK   COMPANY LIC   MIDBROOK   COMPANY LIC   MIDBROOK   LAC CHARLES   LA-0305   METHANOL FACILITY   G-30/2016   MIDBROOK   METHANOL FACILITY   G-30/2016   MIDBROOK   MIDBROO	EMERGENCY															
N-0263   COMPANY LLC   3232017   0	GENERATORS (EU014A AND EU-	GENERATORS (EU014A AND EU-							G/HP-H	3 HOUR						
COMPRESSOR   122/2016 &	3/23/2017 014B)	017 014B) DI	STILLATE OIL	3600	HP EACH		GOOD COMBUSTION PRACTICES	0.15	EACH	AVERAGE	500	H/YR EACH		0		
COMPRESSOR   122/2016 &	E	E					Use of a certified engine, low sulfur									
LA-0305	Emergency Generators No. 1	Generators No. 1					diesel, and limiting non-emergency use to			HOURLY			ANNUAL			
LA-0305   METHANOL FACILITY   6-30/2016   E	1/22/2016 & Samp; No. 2	016 & amp; No. 2 Die	esel	1341	HP		no more than 100 hours per year	0.44	LB/HR	MAXIMUM	0.02	TPY	MAXIMUM	0.15	G/BHP-HR	
ST. JAMES METHANOL	Diesel Engines 6/30/2016 (Emergency)	Diesel Engines	esel	4023	hn		Complying with 40 CFR 60 Subpart IIII	0			0					
ST. JAMES METHANOL	DEG1-13 - Diesel	DEG1-13 - Diesel	Coca	1023	140		Complying wan to CI IC OO Duopait III									
**M-0423 INDECK NILES, LLC 1/4/2017 of GRAYLING MI-0423 INDECK NILES, LLC 1/4/2017 of GRAYLING MI-0425 PARTICLEBOARD 59/2017 of GRAYLING MI-0425 PARTICLEBOARD 59/2017 of GRAYLING MI-0425 PARTICLEBOARD 59/2017 of GRAYLING MI-0426 MEC NORTH, LLC AND MEC NORTH, L	Fired Emergency	Fired Emergency														
ST. CHARLES POWER   STATION   S731/2016   STATION   S731/2016   STATION   S731/2016   STATION   S731/2016   STATION   S731/2017   STATION   S731/2017   STATION   S731/2017   S731/2017   STATION   S731/2017	Generator Engine 6/30/2017 (EQT0012)	O17 (EOT0012) Die	esel	1474	horsepower	Operating hours limit: 100 hr/yr.	Compliance with NSPS Subpart IIII	0.08	LB/HR		0			0		
LA-0313					· ·		Compliance with NESHAP 40 CFR 63									
LA-0313 STATION 8312016 D  CAMERON LNG  CAMERON LNG  LA-0316 FACILITY 2172017 iv  METHANEX - GEISMAR  LA-0317 METHANOL PLANT 12222016 [4]  GRAYLING GGAYLING  MI-0421 PARTICLEBOARD 8262016 F  IMI-0423 INDECK NILES, LLC 1442017 er  MI-0423 INDECK NILES, LLC 1442017 er  MI-0423 NDECK NILES, LLC 1442017 er  GRAYLING GGAYLING GGAY							Subpart ZZZZ and NSPS 40 CFR 60 Subpart IIII, and good combustion									
LA-0313 STATION 8312016 D  CAMERON LNG CAMERON LNG EVALUTY 21772017 iv  METHANEX - GEISMAR LA-0317 METHANOL PLANT 12222016 [4]  GRAYLING [6] MI-0421 PARTICLEBOARD 8262016 F  MI-0423 INDECK NILES, LLC 1442017 of  GRAYLING [7] MI-0423 INDECK NILES, LLC 1442017 of  GRAYLING [7] MI-0423 INDECK NILES, LLC 1442017 of  GRAYLING [7] MI-0423 PARTICLEBOARD 59/2017 of  GRAYLING [7] MI-0425 PARTICLEBOARD 59/2017 of  MI-0426 PARTICLEBOARD 59/2017 of  MI-0427 MEC NORTH, LLC AND  MI-0430 MEC NORTH, LLC AND  MI-0431 MEC SOUTH LLC 629/2018 E  MEC NORTH, LLC AND  MI-0433 MEC SOUTH LLC 629/2018 E  MEC NORTH, LLC AND  MI-0435 POWER PLANT 75/16/2018 E  FERSTON SOUTH LLC SEWAREN GENERATING D  GREENSVILLE POWER G  "VA-0325 STATION 6/17/2016 13  "VA-0325 STATION 6/17/2016 11  GREENSVILLE POWER G  G17/2016 11	SCPS Emergency	SCPS Emergency					practices (use of ultra-low sulfur diesel			HOURLY			ANNUAL			
CAMERON LNG	8/31/2016 Diesel Generator 1	016 Diesel Generator 1 Die	esel	2584	HP		fuel).	0.86	LB/H	MAXIMUM	0.21	T/YR	MAXIMUM	0		
LA-0316	emergency generator engines (6	emergency														
METHANEL - GEISMAR   L-0317   METHANEL - GEISMAR   E GRAYLING   GRAYLING   GRAYLING   MI-0421   PARTICLEBOARD   S-26/2016   F			esel	3353	hp		Complying with 40 CFR 60 Subpart IIII	0			0			0		
LA-0317   METHANOL PLANT   122222016   4	Emergency					I-GDE-1201, II-GDE-1201 = 2346 hp										
GRAYLING MI-0421 PARTICLEBOARD 826/2016 F  MI-0423 INDECK NILES, LLC 1/4/2017 et  MI-0423 INDECK NILES, LLC 1/4/2017 et  MI-0423 INDECK NILES, LLC 1/4/2017 et  GRAYLING MI-0425 PARTICLEBOARD 59/2017 d  GRAYLING MI-0425 PARTICLEBOARD 59/2017 G  GRAYLING MI-0425 PARTICLEBOARD 59/2017 G  WI-0425 PARTICLEBOARD 59/2017 G  WI-0433 MEC SOUTH LLC 629/2018 E  WI-0433 MEC SOUTH LLC 629/2018 E  WI-0435 POWER PLANT 7/16/2018 E  WI-0435 STATION 3/10/2016 G  WY-04-0325 STATION 61/7/2016 30  WY-04-0325 STATION 61/7/2016 31  WY-04-0325 STATION 61/7/2016 11	Generator Engines 12/22/2016 (4 units)	Generator Engines	esel	0		I-GDE-1202 = 755 hp I-GDE-1203 = 1193 hp	complying with 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ	0			0			0		
GRAYLING   (I   MI-0421   PARTICLEBOARD   S.26/2016   F	Emergency Diesel	Emergency Diesel					·			TEST						
MI-0421 PARTICLEBOARD 8.26/2016 F    E	Generator Engine (EUEMRGRICE in	Generator Engine					Certified engines, good design, operation			PROTOCOL WILL SPECIFY						
MI-0423   INDECK NILES, LLC   1/4/20/17 er	8/26/2016 FGRICE)		esel	500	H/YR	One emergency diesel generator engine rated at 1600 kW (EUEMRGRICE in FGRICE).	and combustion practices. Operational restrictions/limited use.	1.41	LB/H	AVG TIME	0			0		
MI-0423   NDECK NILES, LLC																
MI-0423   NDECK NILES, LLC	EUEMENGINE	ELIEVÆVICIDIE				a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine manufactured in 2011 or later and a displacement of <10 liters/cylinder. Restricted										
MI-0423 NDECK NILES, LLC 14/2017 et    He	(Diesel fuel					to 4 hours/day, except during emergency conditions and stack testing, and 500										
MI-0423   NDECK NILES, LLC			esel Fuel	22.68	MMBTU/H	hours/year on a 12-month rolling time period basis.	Good combustion practices.	1.58	LB/H	HOURLY	0			0		
MI-0423   INDECK NILES, LLC						A 260 brake horsepower (bhp) diesel-fueled emergency engine manufactured in 2011 or later and a displacement of <10 liters/cylinder. Powers a fire pump used for a										
MI-0423 NDECK NILES, LLC 1/4/20/1 di	EUFPENGINE	EUFPENGINE				back up during an emergency (EUFPENGINE). Restricted to 1 hour/day, except										
GRAYLING   F   F   F   F   F   F   F   F   F	(Emergency engine-					during emergency conditions and stack testing, and 100 hours/year on a 12-month										
GRAYLING  GRAYLING  MI-0425  PARTICLEBOARD  S9/2017 88  GRAYLING  MI-0425  FARTICLEBOARD  S9/2017 89  MI-0425  MEC NORTH, LLC AND  MEC NORTH, LLC	1/4/2017 diesel fire pump) EUEMRGRICE1 in	017 diesel fire pump) Die	esel	1.66	MMBTU/H	rolling time period basis.	Good combustion practices	0.57	LB/H	HOURLY	0			0		
MI-0425 PARTICLEBOARD 59/2017 g  GRAYLING F GRAYLING F GRAYLING F MI-0425 PARTICLEBOARD 59/2017 g MEC NORTH, LLC AND MEC SOUTH LLC 629/2018 E MEC NORTH, LLC AND MEC SOUTH LLC 629/2018 E MEC NORTH, LLC AND MEC SOUTH LLC 629/2018 E MEC NORTH, LLC AND MEC SOUTH LLC 629/2018 E MEC NORTH, LLC AND MEC SOUTH LLC 629/2018 E MEC NORTH, LLC AND MEC SOUTH LLC SEWAREN COMINISED CYCLE SEWAREN GENERATING D GREENSVILLE POWER G MYA-0325 STATION 3/10/2016 G MYA-0325 STATION 617/2016 37 MYA-0325 STATION 617/2016 12	FGRICE	FGRICE					Certified engines, good design, operation			TEST						
### GRAYLING ### FILE	(Emergency diesel					One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE1 in	and combustion practices. Operational			PROTOCOL						
GRAYLING   GREENSVILLE POWER   GREENSVILLE   GREENSVI	5/9/2017 generator engine)	017 generator engine) Die	esel	500	H/YR	FGRICE).	restrictions/limited use.	0.66	LB/H	SHALL SPECIFY	0			0		
GRAYLING   0   0   0   0   0   0   0   0   0	EUEMRGRICE2 in															
MI-0425	FGRICE						Certified engines. Good design, operation			TEST						
MEC NORTH, LLC AND MEC SOUTH LLC MEC SOUTH LLC MEC NORTH, LLC AND MEC SOUTH LLC MEC NORTH MEC	(Emergency Diesel 5/9/2017 Generator Engine)	(Emergency Diesel	esel	500	H/YR	One emergency diesel generator engine rated at 1500 KW (EUEMRGRICE2 in FGRICE).	and combustion practices. Operational restrictions/limited use.	0.22	LB/H	PROTOCOL SHALL SPECIFY	0					
MEC NORTH, LLC AND			esci	300	n/1K	A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model		0.22	LD/H	SHALL SPECIFT	0			0		
*MI-0433 MEC SOUTH LLC 629/2018 E  MEC NORTH, LLC AND MEC SOUTH LLC SEVALENT 7/16/2018 E  *MI-0433 MEC SOUTH LLC SEVALENT 7/16/2018 E  *MI-0435 PSEG FOSSIL LLC SEWAREN D GERENTRING E GREENSVILLE POWER G  *VA-0325 STATION 9/17/2016 3/17/2016 3/17/2016 1/17/	EUEMENGINE	EUEMENGINE				year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is	Diesel particulate filter, good combustion									
MEC NORTH, LLC AND   E   E	(North Plant): 6/29/2018 Emergency Engine	(North Plant): 018 Emergency Engine Die	esel	1341	НР	designed to be compliant with Tier IV emission standards. Equipped with a diesel	practices and meeting NSPS Subpart IIII	0.52	LB/H	HOURI V	0			0		
MEC NORTH, LLC AND			CSCI	1511		A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency engine with a model year	requiencis.	0.52	LDII	HOURDI						
*MI-0433 MEC SOUTH LLC 6-29/2018 E ELE RIVER COMBINED CYCLE *MI-0435 POWER PLANT 7/16-2018 E PSEG FOSSIL LLC SEWAREN GENERATING BENERATING DENERATING DENERATING DENERATING DENERATING DENERATION STATION GREENSVILLE POWER GREENSVI	EUEMENGINE					of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to										
BELLE RIVER  COMBINED CYCLE  *MI-0435 POWER PLANT  POSE POSSIL LC  SEWAREN  GENERATING  NJ-0084 STATION  GREENSVILLE POWER  *VA-0325 STATION  6/17/2016 12  *VA-0325 STATION  6/17/2016 12	(South Plant): 6/29/2018 Emergency Engine		esel	1341	НР	be compliant with Tier IV emission standards. Equipped with a diesel particulate filter.	practices and meeting NSPS Subpart IIII requirements.	0.52	LB/H	HOURLY	0					
*MI-0435 POWER PLANT 7/16/2018 E PSE FOSSIL LL SEWAREN GENERATING E NJ-0084 STATION 3/10/2016 G  *VA-0325 STATION 6/17/2016 3/  *VA-0325 STATION 6/17/2016 13/  *VA-0325 STATION C 6/17/2016 13/			CSCI	1511		A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later,	requiencis.	0.52	LDII	HOURDI						
PSEG FOSSIL LLC   SEWAREN   D   GENERATING   D   GENERATING   D   GENERATING   D   GENERATING   D   GENERATING   D   GENERATION   G   GENERATION   G   GENERATION   G   GENERATION   G   G   G   G   G   G   G   G   G	EUEMENGINE:		.			and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified	L				_					
SEWAREN   D   GENERATING   E   E	7/16/2018 Emergency engine	J18 Emergency engine Die	esel	2	MW	engine subject to NSPS IIII.	State of the art combustion design.	1.18	LB/H	HOURLY	0			0		
NJ-0084	Diesel Fired															
CREENSVILLE POWER   GREENSVILLE POWER   GREENSVILLE POWER   FOR STATION   GREENSVILLE POWER   GREENSVILL	Emergency	Emergency	.SD		H/YR		use of ULSD a clean burning fuel, and		LB/H		_					
GREENSVILLE POWER   GREENSVILLE	DIESEL-FIRED	DIESEL-FIRED	עמ	44	n/1K		limited hours of operation	0.26	Ld/H		0			0		
*VA-0325 STATION 6/17/2016 30    P	EMERGENCY	EMERGENCY					L	1	1							
P    E	GENERATOR 6/17/2016 3000 kW (1)		ESEL FUEL	^			Ultra Low Sulfur Diesel/Fuel (15 ppm		G/KR	PER HR		T/YR	12 MO ROLLING TOTAL			
*VA-0325 STATION 6/17/2016 1: INTERNATIONAL E	PROPANE-FIRED	PROPANE-FIRED	LOLL FUEL	0			IIIIA)	0.4	UKK	LR HR	0.7	17 I K	TOTAL	0		
*VA-0325 STATION 6/17/2016 1: INTERNATIONAL C	EMERGENCY	EMERGENCY					L									
INTERNATIONAL C	GENERATORS 6/17/2016 150 kW (2)	GENERATORS	OPANE	0			Low sulfur fuel and good combustion practices	0.010	G/HP-H	PER HR						
CTATION POWER	Caterpillar 3215C	Caterpillar 3215C	OI AINE	0			practices	0.019	G/HF-H		0			0		
	Black Start									INSTANTANEOU						
AK-0071 PLANT 12/20/2010 G POINT THOMSON	12/20/2010 Generator (1)	J10 Generator (1) UI	.SD	1500	KW-e		Good Combustion Practices	0.03	G/HP-H	S	0			0		
PRODUCTION C	Combustion of															
AK-0076 FACILITY 8/20/2012 D	8/20/2012 Diesel by ICEs	012 Diesel by ICEs UL	.SD	1750	kW	Diesel-fired generators		0.2	G/KW-H	+	0			0		
	Emergency Camp	Emergency Camp Ulic	tra Low Sulfur													
		015 Generators Di	esel	2695	hp	Three 2,695 hp ULSD-fired Standby Camp Generator Engines.		0.15	G/HP-H		0			0		

		PERMIT														1	
		ISSUANCE				THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID		DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	UNIT	PROCESS NOTES	DESCRIPTION	LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT	CONDITION	EMISSION LIMIT	UNIT	CONDITION
	POINT THOMSON																
*AK-0082	PRODUCTION FACILITY	1/23/2015	Bulk Tank Generator Engines	Ultra Low Sulfur Diesel	89	hn	Two ULSD-fired 891 hp Bulk Tank Storage Area Generator Engines		0.15	G/HP-H					0		
								OPERATIONAL RESTRICTION OF 50									
	VICTORVILLE 2 HYBRID POWER		EMERGENCY					HR/YR; USE OF ULTRA LOW SULFUR FUEL NOT TO EXCEED 15									
CA-1191	PROJECT	3/11/2010	ENGINE	DIESEL	2000	KW	2000 KW (2,683 hp) engine	PPMVD	0.2	G/KW-H		0.15	G/HP-H		0		
	PALMDALE HYBRID		EMERGENCY IC														
CA-1212	POWER PROJECT	10/18/2011	ENGINE	DIESEL	2683	HP	UNIT IS 2000 KW.	USE ULTRA LOW SULFUR FUEL	0.2	G/KW-H		0.15	G/HP-H		0		
								Use of good combustion practices based									
			E					on the current manufacturer's specifications for these engines, use of									
			Emergency Generator Diesel					low sulfur diesel fuel, positive crankcase			PER YEAR 12						
			Engine -					ventilation, turbocharger with aftercooler,			MONTH						
*FL-0338	SAKE PROSPECT DRILLING PROJECT	5/30/2012	Development	D: 1	2229			high pressure fuel injection with	0.02	T/YR	ROLLING TOTAL						
*FL-0558	DRILLING PROJECT	5/30/2012	Driller 1	Diesei	222	np		attercooler	0.03	1/YK	IOIAL	-			- 0		
								Use of good combustion practices based									
								on the current manufacturer's specifications for these engines, use of									
								low sulfur diesel fuel, positive crankcase			PER YEAR 12						
			Emergency					ventilation, turbocharger with aftercooler,			MONTH						
	SAKE PROSPECT		Generator Diesel					high pressure fuel injection with			ROLLING						
*FL-0338	DRILLING PROJECT	5/30/2012	Engine - C.R. Luigs	diesel	2064	hp	Caterpillar D3516A 1998	aftercooler	0.02	T/YR	TOTAL	- (		+	- 0		
								Use of good combustion practices based							1		
	ANADARKO							on the most recent manufacturer's				1					
	PETROLEUM CORPORATION -		Main Propulsion				Four 1998 Wartsila 18V32LNE 9910 hp and Two 1998 Wartsila 12V32LNE 6610	specifications issued for engines and with			ROLLING 24						
*FL-0347	EGOM	9/16/2014	Generator Diesel Engines	Diesel	9910	hp	bn 1998 Wartsiia 18V32LNE 9910 np and 1W0 1998 Wartsiia 12V32LNE 0610	turbocharger, aftercooler, and high injection pressure	0.24	G/KW-H	HOUR AVERAGE						
											AVERAGE OF 3						
. 0105	IOWA FERTILIZER	10.75(7012	Emergency	F 16 1	.,,	CALT	. 1 0 2 000 VW		0.2	CANNI II	STACK TEST	0.22	TAID	ROLLING 12			
IA-0105	COMPANY CF INDUSTRIES	10/26/2012	Generator	diesel fuel	14.	GAL/H	rated @ 2,000 KW	good combustion practices	0.2	G/KW-H	AVERAGE OF	0.22	T/YR	MONTH TOTAL	0		
	NITROGEN, LLC -										THREE (3)			ROLLING			
	PORT NEAL NITROGEN	1	Emergency								STACK TEST			TWELVE (12)			
*IA-0106	COMPLEX CRONUS CHEMICALS,	7/12/2013	Generators Emergency	diesel fuel	180	GAL/H	There are two (2) identically sized generators.	good combustion practices Tier IV standards for non-road engines at	0.2	G/KW-H	RUNS	0.02	T/YR	MONTH TOTAL	0		
*IL-0114	LLC	9/5/2014	Generator	distillate fuel oil	3755	HP		40 CFR 1039.102, Table 7.	0.1	G/KW-H					0		
			TWO (2)														
	CT TOCERU ENECRY		EMERGENCY DIESEL				THE TWO DITERMAL COMBUSTION ENGINES INCRETED AS FOR AND	COMPULCTION DESIGN CONTROLS					HOURS OF OPERATIO				
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC		GENERATORS	DIESEL	1000	HP EACH	THE TWO INTERNAL COMBUSTION ENGINES, IDENTIFIED AS EG01 AND EG02, EXHAUST THROUGH TWO (2) VENTS.	AND USAGE LIMITS	0.15	G/HP-H	3 HOURS	500	N N	YEARLY	0		
			EMERGENCY										HOURS OF				
.n	ST. JOSEPH ENEGRY	12/3/2012	DIESEL	DIESEL			THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03, EXHAUSTS THROUGH ONE (1) VENT.	COMBUSTION DESIGN CONTROLS		0.770.77		500	OPERATIO	YEARLY			
*IN-0158	CENTER, LLC	12/3/2012	GENERATOR TWO (2)	DIESEL	2012	HP	EXHAUSTS THROUGH ONE (1) VENT.	AND USAGE LIMITS	0.15	G/HP-H	3 HOURS	500	N	YEARLY	0		
	INDIANA		EMERGENCY			HORSEPOWER,				PPM							
*IN-0166	GASIFICATION, LLC	6/27/2012	GENERATORS	DIESEL	134	EACH	IDENTIFIED AS EU-009A AND EU-009B	USE OF LOW-S DIESEL	15	SULFUR		(			0		
	MIDWEST FERTILIZER		DIESEL FIRED EMERGENCY				ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS.										
*IN-0173	CORPORATION	6/4/2014	GENERATOR	NO. 2, DIESEL	3600	BHP	INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE	(			0		
			DIESEL-FIRED														
*IN-0179	OHIO VALLEY RESOURCES, LLC	9/25/2012	EMERGENCY GENERATOR	NO. 2 FUEL OIL	4600	B-HP	ANNUAL HOURS OF OPERATION NOT TO EXCEED 200 HOURS.	GOOD COMBUSTION PRACTICES	0.15	LB/HP-H	3-HR AVERAGE						
114-0179		9/23/2013	DIESEL FIRED	NO. 2 POLL OIL	40%	D-111		GOOD COMBOSTION FRACTICES	0.15	LD/III-II	5-IIK A VERAGE	1					
	MIDWEST FERTILIZER		EMERGENCY				ANNUAL OPERATING HOURS SHALL NOT EXCEED 500 HOURS.										
*IN-0180	CORPORATION NINEMILE POINT	6/4/2014	GENERATOR EMERGENCY	NO. 2, DIESEL	3600	BHP	INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	0.15	G/HP-H	3-HR AVERAGE	- 0			0		
	ELECTRIC		DIESEL					ULTRA LOW SULFUR DIESEL AND			ANNUAL				1		ANNUAL
LA-0254	GENERATING PLANT	8/16/2011	GENERATOR	DIESEL	1250	HP		GOOD COMBUSTION PRACTICES	0.15	G/HP-H	AVERAGE			1	0.15	G/HP-H	AVERAGE
	AMMONIA		EMERGENCY DIESEL												1		
	PRODUCTION		GENERATOR					Compliance with 40 CFR 60 Subpart IIII;									
*LA-0272	FACILITY	3/27/2013	(2205-B)	DIESEL	1200	HP	OPERATING TIME OF GENERATOR IS LIMITED TO 500 HR/YR.	good combustion practices.	0		1	(		1	0.2	G/KW-HR	
	SALEM HARBOR STATION		Emergency				â‰□ 300 hours of operation per 12-month rolling period				1 HR BLOCK			1 HR BLOCK			
*MA-0039	REDEVELOPMENT	1/30/2014	Emergency Engine/Generator	ULSD	7.4	MMBtu/hr	S in ULSD: 8%=0.0015% by weight		0.15	G/HP-H	AVERAGE	0.36	LB/H	AVERAGE	0		
								EXCLUSIVE USE OF ULSD FUEL,									
	WILDCAT POINT							GOOD COMBUSTION PRACTICES, LIMITED HOURS OF OPERATION,									
	GENERATION		EMERGENCY	ULTRA LOW			40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	AND DESIGNED TO ACHIEVE							1		
*MD-0042	FACILITY	4/8/2014	GENERATOR 1	SULFU DIESEL	2250	KW	COMBUSTION PRACTICES	EMISSION LIMITS	0.15	G/HP-H		0.23	G/KW-H		0		
								EXCLUSIVE USE OF ULSD FUEL, GOOD COMBUSTION PRACTICES									
	COVE POINT LNG		EMERGENCY	ULTRA LOW			40 CFR 60, SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	AND DESIGNED TO ACHIEVE							1		
*MD-0044	TERMINAL	6/9/2014	GENERATOR	SULFUR DIESEL	1550	HP	COMBUSTION PRACTICES	EMISSION LIMITS	0.17	G/HP-H		0.23	G/KW-H		0		
			Turbine generator (EUBLACKSTAR				This is a turbine generator identified in the permit as EUBLACKSTART. It has a				TEST						
	1	6/29/2011	(EUBLACKSTAR T)	Diesel	5.41	MMBTU/H	throughput capacity of 540MMBTU/HR which equates to 102 MW. The maximum operation was based on 500 hours per year.		16.2	LB/H	PROTOCOL						
*MI_0400	WOLVERINE POWER		*,	DICK!	340		operation was oused the 500 flottes per year.		10.2	2011	TEST				-		
*MI-0400	WOLVERINE POWER																
			Emergency								PROTOCOL;						
*MI-0400 *MI-0400	WOLVERINE POWER	6/29/2011	generator	Diesel	4000	НР	Maximum operation was based on 500 hours per year.  The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with		1.76	LB/H	PROTOCOL; BACT	0			0		
	WOLVERINE POWER WOODBRIDGE ENERGY CENTER		generator Emergency	Diesel Ultra Low Sulfur distillate Diesel		HP H/YR	Maximum operation was based on 500 hours per year.  The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with 15 ppm % Sulfur by weight only	Use of ULSD oil		LB/H LB/H		0			0		
*MI-0400	WOLVERINE POWER WOODBRIDGE	6/29/2011 7/25/2012	generator		100		The Emergency Generator will use Ultra Low Sulfur distillate (ULSD) Diesel with	Use of ULSD oil use of ULSD, a low sulfur clean fuel				(			0		

		PERMIT ISSUANCE				THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION		AVG TIME	STANDARAD		AVG TIME
RBLCID			PROCESS NAME	PRIMARY FUEL	THROUGHPUT		PROCESS NOTES		LIMIT 1	UNIT	CONDITION	LIMIT 2	UNIT		EMISSION LIMIT	UNIT	CONDITION
			EMERGENCY														
	CORNELL COMBINED		DIESEL														
NY-0101	HEAT & POWER PROJECT	3/12/2008	GENERATORS	LOW SULFUR DIESEL	1000	vw.	TWO (2) GENERATORS LIMITED TO 800 HOURS FOR BOTH ANNUALLY	ULTRA LOW SULFUR DIESEL AT 15		.19 LB/H	1 HOUR AVG		0 % OPACITY		0.00	6 G/KW-H	
N 1 -0101	MOXIE LIBERTY	3/12/2006	(2)	DIESEL	1000	K.W	TWO (2) GENERATORS LIMITED TO 800 HOURS FOR BOTH ANNUALLT	FFW 3	0.	.19 LB/H	I HOUK AVG		0 % OFACILI		0.08	0 GKW-II	
	LLC/ASYLUM POWER		Emergency														
PA-0278	PL. T	10/10/2012	Generator	Diesel	0		The emergency generator will be restricted to operate not more than 100 hr/vr.		0	.02 G/HP-H		0.0	6 LB/H			0	
	ENERGY ANSWERS											-					
	ARECIBO PUERTO																
	RICO RENEWABLE		Emergency Diesel				Emergency Generator is rated at 670 BHP and is limited to 500 hr per year										
*PR-0009	ENERGY PROJECT	4/10/2014	Generator	ULSD Fuel oil # 2	0		(emergency and testing and maintenance, combined)		0.	.15 G/HP-H		0.2	2 LB/H			0	
							The emergency generator (EPN 17-1-4) at the site is diesel fired and rated at 1500										
							horsepower (hp). Lowest Achievable Emission Rates (LAER) for nitrogen oxides										
							(NOx) is the use of a 40 Code Federal Rules (CFR) Part 89 Tier 2 engine and limited	1									
							hours of operation. Emissions from the engine shall not exceed 0.0218 grams per										
							horsepower-hour (g/hp-hr) of nitrogen oxides (NOx). The engine is limited to 52										
							hours per year of non-emergency operation.										
							Emissions from the engine shall not exceed 0.01256 g/hp hr of carbon monoxide										
							(CO). The fuel for the engine is limited to 15 parts per million sulfur by weight (ultra	-									
							low sulfur diesel). The engine is limited to 52 hours per year of non-emergency										
							operation.  Also applicable: 40CFR60 IIII Standards of Performance for Stationary Compression										
	PEONY CHEMICAL						Ignition Internal Combustion Engine and	1									
	MANUFACTURING		Emergency Diesel				40CFR63 ZZZZ, National Emissions Standards For Hazardous Air Pollutants For	Minimized hours of operations Tier II									
*TX-0728	FACILITY	4/1/2015	Generator	Diesel	1500	hp	Stationary Reciprocating Internal Combustion Engines.	engine	0.	.15 LB/H		0.0	1 T/YR			0	
0.120	MOUNDSVILLE				1,000					1							
	COMBINED CYCLE		Emergency														
*WV-0025	POWER PLANT	11/21/2014	Generator	Diesel	2015.7	HP	Nominal 1,500 kW. Limited to 100 hours/year.			0			0		0.1	5 G/HP-HR	1

RBLCID		PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT UNIT	OUGHPUT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
FL-0356	OKEECHOBEE CLEAN ENERGY CENTER	3/9/2016	Three 3300-kW ULSD emergency generators	ULSD	0		BACT limits equal to NSPS Subpart IIII limits. Will use IIII certified engine.	Use of ULSD	0.0015	% S IN ULSD							
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	Two 3300 kW emergency generators	ULSD	0		Two ULSD-fueled emergency engines. BACT = Subpart IIII limits.	Clean fuel	15	PPM S IN FUEL		(	,		(	,	
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Diesel Engines (Emergency)	Diesel	4023 hp			Complying with 40 CFR 60 Subpart IIII	(	,		(				,	
			EUEMENGINE (Diesel				a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine manufactured in 2011 or later and a displacement of <10 liters/cylinder. Restricted to 4 hours/day, except during emergency conditions and stack testing, and 500	Good combustion practices and meeting			FUEL SUPPLIER CERTIFICATION						
MI-0423	INDECK NILES, LLC	1/4/2017	fuel emergency engine)	Diesel Fuel	22.68 MMB1	TU/H	hours/year on a 12-month rolling time period basis.  A 260 brake horsepower (bhp) diesel-fueled emergency engine manufactured in 2011	NSPS Subpart IIII requirements.	15	PPM	RECORDS	(			(		
MI-0423	INDECK NILES, LLC	1/4/2017	EUFPENGINE (Emergency engine-diesel fire pump)	Diesel	1.66 MMB		or later and a displacement of ~10 liters/cylinder. Powers a fire pump used for a back up during an emergency (EUFPENGINE). Restricted to 1 houriday, except during emergency conditions and stack testing, and 100 hours/year on a 12-month rolling time period basis. A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model	Good combustion practices and meeting NSPS Subpart IIII requirements.	15	PPM	FUEL SUP. CERT. RECORDS OR SAMPLE TEST	;			(		
*MI-0433	MEC NORTH, LLC AND MEC SOUTH LLC	6/29/2018	EUEMENGINE (North Plant): Emergency	Discol	1341 HP		A 1,54 FF (1,500 knowats (kW)) uteset-ince energency engine with a mouer year of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with Tier IV emission standards. Equipped with a diesel particulate filter.	Good combustion practices and meeting NSPS Subpart IIII requirements.	15	PPM	FUEL SUPPLIER CERTIF. RECORDS						
MP0433	MEC NORTH, LLC AND	0/29/2018	EUEMENGINE (South Plant): Emergency	DESCI	1341 111		of 2011 or later, and a displacement of <10 liters/cylinder. The engine is designed to be compliant with Tier IV emission standards. Equipped with a diesel particulate	Good combustion practices and meeting	1.	IIIVI	FUEL SUPPLIER RECORDS OR SMPLE TEST	,			,		
*MI-0433	MEC SOUTH LLC	6/29/2018		Diesel	1341 HP		be compilain with Tier TV emission standards. Equipped with a dieser particulate filter.	NSPS Subpart IIII requirements.	15	PPM	DATA	(			(		
*VA-0325	GREENSVILLE POWER STATION HILLABEE ENERGY	6/17/2016	EMERGENCY GENERATOR 3000 kW	DIESEL FUEL	0			Ultra Low Sulfur Diesel/Fuel (15 ppm max)	0.0015	LB/MMBTU		(			(	)	
AL-0251	CENTER SHADY HILLS		GENERATOR	DIESEL	600 EKW			LOW SULFUR DIESEL FUEL FIRING ULTRA LOW SULFUR OIL	(	,		(				,	
FL-0310	GENERATING STATION	1/12/2000	2.5 MW EMERGENCY GENERATOR	ULTRA LOW S OIL	2.5 MW		MAXIMUM HOURS OF OPERATION: 500 HRS/YR	WITH A MAXIMUM HOURS OF OPERATION OF 500 HRS/YR.	0.0015	% SULFUR	NA/RECORDKEE						
FL-0310	HIGHLANDS BIOREFINERY AND COGENERATION PLANT	9/23/2011	2000 KW Emergency	SOIL	2.5 MW		MAXIMON HOURS OF OPERATION: 500 HRS-YR  One emergency generator rated at 2,000 kW (2,682 HP) will be installed to provide backup electrical power in the event of a power outage at the HEF facility. The generator will fire ULSD face oil or natural gas and will be limited to 500 hours per year of operation during emergencies. The unit will be operated no more than 100 hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The engine will be designed to meet US EPA-8f <sup>-Ws</sup> emission standards listed in 40 CFR Part 60 Subpart IIII for model year 2000 for altex.	OPERATION OF 500 HRS/YR.  See Pollutant Notes.		% SULFUR	PING						
FL-0332	HIGHLANDS BIOREFINERY AND COGENERATION PLANT	9/22/2011	600 HP Emergency Equipment	Ultra-Low Sulfur Oil			One 600 bp diesel fire pump engine will be installed to provide firewater during power outages. This unit will fire ULSD fiel oil or natural gas and will be limited to 500 hours per year of operation. This unit will be operated no more than 100 hours per year for testing and maintenance purposes per 40 CFR 60, Subpart IIII. The engine will be designed to meet US EPA&E**98 emission standards listed in 40 CFR Part 60 Subpart IIII or model year 2009 or later.	See Pollutant Notes.	0.0015	% SULFUR							
*FL-0346	LAUDERDALE PLANT		Four 3100 kW black start emergency generators	ULSD	MMBt 2.32 engine	htu/hr (HHV) per	Fired with ULSD	ULSD required		PPM SULFUR IN FUEL							
			Emergency fire pump							PPM SULFUR IN							
*FL-0346	ADM CORN PROCESSING - CEDAR RAPIDS		engine (300 HP)  EMERGENCY GENERATOR	USLD	29 MMBt		Emergency engine. BACT = NSPS IIII. THIREE 1.500 KW EMERGENCY GENERATORS ARE BEING INSTALLED AS A PART OF THIS PROJECT. PERMITS 07-A-542-P, 07-A-576-P AND 07-A- 577-P. THE PROJECT ALSO INCLUDES THE INSTALLATION OF ONE 2,00 KW EMERGENCY GENERATOR. PERMIT 07-A-578-P. ALL FOUR EMERGENCY GENERATORS HAVE THE SAME SHORT TERM BACT LIMITS AND DIFFERENT TONYR BACT LIMITS.	Good combustion practice and ULSD  BURN LOW-SULFUR DIESEL FUEL.  0.05% BY WEIGHT OR LESS NOT TO EXCEED THE NSPS REQUIREMENT.	15	FUEL  G/B-HP-H	AVERAGE OF 3 TEST RUNS	244	) T/YR	12-MONTH ROLLING TOTAL			
IA-0088	TATE & LYLE INDGREDIENTS	6/29/2007	EMERGENCY	DIESEL	1300 KW		LIMITS AND DIFFERENT TON/YR BACT LIMITS.	EXCEED THE NSPS REQUIREMENT.	0.17	G/B-HР-H	AVERAGE OF THREE STACK	300	) 1/YK	12-MONTH ROLLING		,	
IA-0095	AMERICAS, INC.	9/19/2008	GENERATOR	DIESEL	700 KW			FUEL SULFUR LIMIT	0.23	G/KW-HR	TEST RUNS	0.09	T/YR HOURS OF	TOTAL	(		
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	TWO (2) EMERGENCY DIESEL GENERATORS	DIESEL	1006 HP EA		THE TWO INTERNAL COMBUSTION ENGINES, IDENTIFIED AS EG01 AND EG02, EXHAUST THROUGH TWO (2) VENTS.	ULTRA LOW SULFUR DISTILLATE AND USAGE LIMITS	0.012	LB/H		500	OPERATIO	YEARLY	(		
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	EMERGENCY DIESEL GENERATOR	DIESEL	2012 HP		THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03, EXHAUSTS THROUGH ONE (1) VENT.	ULTRA LOW SULFUR DISTILLATE AND UASGE LIMITS	0.024	LB/H	3 HOURS	500	OPERATOI	YEARLY			
*IN-0166	INDIANA GASIFICATION, LLC	6/27/2012	TWO (2) EMERGENCY GENERATORS	DIESEL	HORS 1341 EACH	SEPOWER,	IDENTIFIED AS EU-009A AND EU-009B	USE OF LOW-S DIESEL AND LIMITED HOURS OF NON- EMERGENCY OPERATION	.,	PPM SULFUR IN FUEL			,		] .		
	NEARMAN CREEK		EMERGENCY BLACK				THE CUMMINS POWER GENERATION DIESEL GENERATOR (MODEL NO. OSK78-66) SHALL ONLY COMBUST NO. 2 FUEL OIL WITH VERY LOW SULFUR CONTENT AS THE PRIMARY FUEL TYPE. THERE WIL BE NO SECONDARY FUEL FOR BACKUP. [NOTE: THE INCREASE IN SIZE OF THE EMERGENCY BLACK START GENERATOR CAUSED THE SIGNIFICANT MODIFICATION. IN THE ORIGINAL PERMIT, OCTOBER 21, 2004. THE EMERGENCY BLACK START GENERATOR WAS A CATERPILLAR DIESEL GENERATOR (MODEL NO.: 3508 DITA) 900 KW. IT WAS CHANGED TO A CUMMINS POWER GENERATION DIESEL				FULL LOAD						
KS-0028	POWER STATION		START GENERATOR EMERGENCY GENERATORS (DOCK	OIL	24.1 MMB1		GENERATOR (MODEL NO.: QSK78-G6) 2.8 MW.] 21-08: 1341 HP 22-08: 671 HP	GOOD COMBUSTION CONTROL	1.2	LB/H	OPERATIONS						
LA-0211	GARYVILLE REFINERY	12/27/2006		DIESEL	1341 HP		GENERATORS PERMITTED FOR 182 H/YR EA.		0.02	LB/H		0.0068	G/HP-H				
LA-0231	LAKE CHARLES GASIFICATION FACILITY	6/22/2009	EMERGENCY DIESEL POWER GENERATOR ENGINES (2)	DIESEL	1341 HP EA	ACH		COMPLY WITH 40 CFR 60 SUBPART	0.01	LB/H	MAXIMUM (EACH)	0.0034	G/HP-H				

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	IINIT	AVG TIME CONDITION
KBLCID	SALEM HARBOR	DATE	PROCESS NAME	FUEL	THROUGHFUT	UNII	FROCESS NOTES	DESCRIPTION	LIMITI	UNII	1 HR BLOCK	LIMIT 2	UNII	CONDITION	EMISSION LIMIT	UNII	CONDITION
	STATION		Emergency				â‰□ 300 hours of operation per 12-month rolling period				AVG						
*MA-0039	REDEVELOPMENT	1/30/2014	Engine/Generator	ULSD	7.4	MMBtu/hr	S in ULSD: â‰=0.0015% by weight		0.01	1 LB/H	INCLUDING SS	(			(	)	
	WILDCAT POINT			ULTRA LOW				USE OF ULTRA-LOW DIESEL SULFUR FUEL, LIMITED HOURS OF									
	GENERATION		EMERGENCY	SULFU			40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	OPERATION AND DESIGNED TO			3-HOUR BLOCK						
*MD-0042	FACILITY	4/8/2014	GENERATOR 1	DIESEL	2250	KW	COMBUSTION PRACTICES	MEET NSPS SUBPART IIII LIMITS	0.00	6 G/B-HP-H	AVERAGE	(			(	,	
							This is a turbine generator identified in the permit as EUBLACKSTART. It has a										
*MI-0400	WOLVERINE POWER	6/20/2011	Turbine generator (EUBLACKSTART)	Diesel	540	MMBTU/H	throughput capacity of 540MMBTU/HR which equates to 102 MW. The maximum operation was based on 500 hours per year.		0.01	1 LB/MMBTU	TEST PROTOCOL	Ι ,				,	
WII-0400	WOLVERINE FOWER	0/29/2011	EMERGENCY POWER	Diesei	340	MMB1U/H	operation was based on 500 nours per year.		0.01	I LB/MMB10	SULFUR BY	,					+
	MINNESOTA STEEL		GENERATION -					LIMITED HOURS, LIMITED SULFUR			WEIGHT IN						
MN-0070	INDUSTRIES, LLC	9/7/2007	DIESEL	DIESEL			(>500 HP, LARGE IC)	IN FUEL	0.0:	5 % SULFUR	FUEL	(			(		
	FAIRBAULT ENERGY		EMERGENCY				THIS IS A 1750 KW GENERATOR THAT WAS INSTALLED IN PLACE OF THE 670 HP GENERATOR (LISTED AS A ' ' IC ENGINE, LARGE				3 HOUR						
MN-0071	PARK	6/5/2007	GENERATOR	NO. 2	1750	kw	FUEL OIL) IN MN-0053		0.000	4 LB/HP-H	AVERAGE	(			(	,	
	OREGON CLEAN						Emergency diesel fired generator restricted to 500 hours of operation per rolling 12-										
*OH-0352	ENERGY CENTER	6/18/2013	Emergency generator	diesel	2250	KW	months.	USE OF LOW SULFUR NO.2 FUEL	0.03	3 LB/H		0.008	T/YR		(	)	
			EMERGENCY DIESEL INTERNAL					OIL COMBINED WITH GOOD									
	HUGO GENERATING		COMBUSTION					COMBUSTION PRACTICES AND									
	STA	2/9/2007	ENGINES					LIMITED ANNUAL OPERATION		0	SEE NOTE	(			(	)	
	MID AMERICAN STEEL							500 hours per year, 0.05% sulfur diesel									
OK-0128	ROLLING MILL	9/8/2008	Emergency Generator	No. 2 diesel	1200	HP		fuel	0.49	9 LB/H		0.05	% SULFUR		(	)	-
	CHOUTEAU POWER		EMERGENCY DIESEL	SULFUR						1				1	1		1
OK-0129	PLANT	1/23/2009	GENERATOR (2200 HP)	DIESEL	2200	HP		LOW SULFUR DIESEL 0.05%S	0.89	9 LB/H		(			(	)	
	ENERGY ANSWERS ARECIBO PUERTO																
	RICO RENEWABLE		Emergency Diesel	ULSD Fuel oil			Emergency Generator is rated at 670 BHP and is limited to 500 hr per year										
	ENERGY PROJECT	4/10/2014	Generator	# 2	0		(emergency and testing and maintenance, combined)		0.00	6 LB/H		(			(	,	
								USE OF LOW SULFUR FUEL DIESEL	9								
								SULFUR CONTENT LESS THAN									
			EMERGENCY				THE CONSTRUCTION PERMIT AUTHORIZES THE CONSTRUCTION OF EIGHT (8) IDENTICAL EMERGENCY GENERATORS. THIS PROCESS AND	0.0015 PERCENT. OPERATING HOURS LESS THAN 100 HOURS PER									
	PYRAMAX CERAMICS,		GENERATORS 1 THRU	ı			POLLUTANT INFORMATION IS FOR ONE SINGLE EMERGENCT	YEAR FOR MAINTENACE AND	`								
SC-0113	LLC	2/8/2012	8	DIESEL	757	HP	GENERATOR.	TESTING.		0		(			(	)	
			DIESEL EMERGENCY				THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR		_								
SC-0114	GP ALLENDALE LP	11/25/2008	GENERATOR	DIESEL	1400	HP	TESTING OR EMERGENCY PURPOSES. THE EMERGENCY GENERATOR IS OPERATED INTERMITTENTLY FOR		5.4	4 LB/H		1.35	T/YR		(	)	+
							TESTING OR EMERGENCY PURPOSES.	TUNE-UPS AND INSPECTIONS WILL	_								
								BE PERFORMED AS OUTLINED IN									
	on or income out the		DIESEL EMERGENCY	n many			THE DIESEL EMERGENCY GENERATOR IS LIMITED TO 500 HOURS OF	THE GOOD MANAGEMENT									
SC-0115	GP CLARENDON LP ARGOS HARLEYVILLE	2/10/2005	GENERATOR EMERGENCY	DIESEL	1400	HP	OPERATION PER YEAR.	PRACTICE PLAN.	5.4	4 LB/H		1.53	T/YR	_	-	-	-
*SC-0132	PLANT	12/14/2007	GENERATOR	DIESEL	1000	KW				0		(			(	,	
							Two mergency diesel fired generators proposed. Each engine will be 4000 kW.										
							Ultra low sulfur fuel is burned in the engines to meet the sulfur requirement of 15 ppm in 40CFR80.510(b). Each emergency engine is being permitted for	TT- 1 10 0 1 1 1 71									
				ultra low sulfur			maintenance and testing for maximum 100 hrs/yr. They are not being permitted for	Ultra low sulfur fuel engines burn will meet the sulfur requirement of 15 ppm in									
*TX-0671	PROJECT JUMBO	12/1/2014	Engines	diesel fuel	0		the actual emergency emissions	40CFR80.510(b)	0.0649	9 G/KW-HR		0.01	T/YR		(		
							The emergency generator (EPN 17-1-4) at the site is diesel fired and rated at 1500										
							horsepower (hp). Lowest Achievable Emission Rates (LAER) for nitrogen oxides										
							(NOx) is the use of a 40 Code Federal Rules (CFR) Part 89 Tier 2 engine and limited										
							hours of operation. Emissions from the engine shall not exceed 0.0218 grams per										
							horsepower-hour (g/hp-hr) of nitrogen oxides (NOx). The engine is limited to 52										
							hours per year of non-emergency operation.  Emissions from the engine shall not exceed 0.01256 g/hp hr of carbon monoxide										
							(CO). The fuel for the engine is limited to 15 parts per million sulfur by weight (ultra										
							low sulfur diesel). The engine is limited to 52 hours per year of non-emergency			1				1	1		1
							operation.			1				1	1		1
	DEONIZ CHEMICAL						Also applicable: 40CFR60 IIII Standards of Performance for Stationary Compression	1									
	PEONY CHEMICAL MANUFACTURING		Emergency Diesel				Ignition Internal Combustion Engine and 40CFR63 ZZZZ, National Emissions Standards For Hazardous Air Pollutants For			1				1	1		1
	FACILITY	4/1/2015	Generator	Diesel	1500	hp	Stationary Reciprocating Internal Combustion Engines.	Low sulfur fuel 15 ppmw	0.6	1 LB/H		0.02	T/YR	1		,	1
								FUEL MUST SATISFY							1		
	BP CHERRY POINT							REQUIREMENTS OF ON-ROAD		1				1	1		1
WA-0328	COGENERATION PROJECT	1/11/2004	EMERGENCY GENERATOR	DIESEL FUEL	1.5	MW		DIESEL SPECIFICATIONS AT TIME OF FUEL PURCHASE	1 .	0		/		1	1 ,	J	*SEE NOTES
11 A-0328	CHEYENNE PRAIRIE	1/11/2003			1.3	191.99		OF FUEL FURCHASE	1	-		,		<b>+</b>	+	1	SEE NOTES
1	GENERATING		Diesel Emergency	Ultra Low		hp				1				1	1		1
*WY-0070	STATION		Generator (EP15)	Sulfur Diesel				Ultra Low Sulfur Diesel									

### Table D-D-8 Sulfuric Acid Mist (H<sub>2</sub>SO<sub>4</sub>) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

	1	PERMIT		1	ı	1				1	1					
		ISSUANCE		PRIMARY		THROUGHPUT		CONTROL METHOD	EMISSION		AVG TIME	EMISSION	AVG TIME	STANDARAD		AVG TIME
RBLCID				FUEL	THROUGHPUT		PROCESS NOTES	DESCRIPTION		UNIT			UNIT CONDITION	EMISSION LIMIT		CONDITION
RDLCID		D.111.	TROCESSICENE	I CLL	i intocom ci	0.111				0.111			C.III COMPINE	Liniboloit Linil	0.11.	COMPTITION
	BELLE RIVER						A nominal 2 MW diesel-fueled emergency engine with a model year of 2011 or later				FUEL SUPPLIER					
	COMBINED CYCLE		EUEMENGINE:				and a displacement of <10 liters/cylinder. The engine is an EPA Tier 2 certified	Good combustion practices, low sulfur			RECORDS OR					
*MI-0435	POWER PLANT	7/16/2018		Diesel		MW	engine subject to NSPS IIII.	fuel.	15	PPM	TEST DATA	(	)	0		
			DIESEL-FIRED													
			EMERGENCY													
	GREENSVILLE POWER		GENERATOR 3000 kW					Ultra Low Sulfur Diesel/Fuel (15 ppm								
*VA-0325	STATION	6/17/2016		DIESEL FUEL	3000 kW			max)	0.0001	LB/MMBTU	J	(		0		
			PROPANE-FIRED													
			EMERGENCY													
	GREENSVILLE POWER		GENERATORS 150 kW													
*VA-0325	STATION	6/17/2016	(2)	PROPANE	3000 kW			use of low sulfur fuel	0.0001	LB/MMBTU	J			0		
	SALEM HARBOR															
	STATION		Emergency				â‰□ 300 hours of operation per 12-month rolling period				1 HR BLOCK					
*MA-0039	REDEVELOPMENT	1/30/2014	Engine/Generator	ULSD	750 KW	MMBtu/hr	S in ULSD: â‰□0.0015% by weight	Use of low sulfur fuel	0.0009	LB/H	AVERAGE			0		
								USE OF ULTRA-LOW DIESEL								
	WILDCAT POINT							SULFUR FUEL, LIMITED HOURS OF	:							
	GENERATION		EMERGENCY	ULTRA LOW			40 CFR 60 SUBPART IIII, ULTRA LOW-SULFUR DIESEL FUEL, GOOD	OPERATION AND DESIGNED TO			3-HOUR BLOCK					
*MD-0042	FACILITY	4/8/2014	GENERATOR 1	SULFU DIESEL	225	KW	COMBUSTION PRACTICES	MEET SUBPART IIII LIMITS	0.006	G/HP-H	AVERAGE			0		
1	CORNELL COMBINED								-							
	HEAT & POWER		EMERGENCY DIESEL	LOW SULFUR				ULTRA LOW SULFUR DIESEL AT 15	5	1			1 [		1	
NY-0101	PROJECT	3/12/2008	GENERATORS (2)	DIESEL	100	KW	TWO (2) GENERATORS LIMITED TO 800 HOURS FOR BOTH ANNUALLY	PPM S	0.002	LB/H	MASS BALANCE	0.0009	G/HP-H	0	1	

### Table D-D-9 Greenhouse Gases (GHG) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE PROCESS NAME	PRIMARY	THROUGHPUT	THROUGHPUT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
KBLCID	FACILITY NAME	Black Start and	FUEL	THROUGHPUT	UNII	PROCESS NOTES	DESCRIPTION	LIMIT I	UNII	CONDITION	LIMIT 2	UNII	CONDITION	EMISSION LIMIT	UNII	CONDITION
	DONLIN GOLD	Emergency Internal				Two (2) 600 kWe black start diesel generators and four (4)										
*AK-0084	PROJECT	6/30/2017 Cumbustion Engines EMERGENCY	Diesel	1500	kWe	1,500 kWe emergency diesel generators.	Good Combustion Practices	2781	TPY	YEARLY		0		(		
	MIDWEST	GENERATORS														
	FERTILIZER	(EU014A AND EU-	DISTILLATE						TON/12 CONSEC	:		.				
IN-0263	COMPANY LLC HOLBROOK	03/23/2017  ACT 014B)	OIL	3600	HP EACH		GOOD COMBUSTION PRACTICES	1044	MONTH	EACH	50	0 H/YR EACH		-	-	+
	COMPRESSOR	Emergency Generators								ANNUAL						
LA-0292	STATION	1/22/2016 No. 1 & Samp; No. 2	Diesel	1341	HP			77	TPY	MAXIMUM		0		(		
	LAKE CHARLES METHANOL	Diesel Engines														
LA-0305	FACILITY	6/30/2016 (Emergency)	Diesel	4023	hp		Complying with 40 CFR 60 Subpart IIII	(	)			0		(		
	ST. JAMES	DEG1-13 - Diesel Fired Emergency Generator														
*LA-0312	METHANOL PLANT	6/30/2017 Engine (EQT0012)	Diesel	1474	horsepower	Operating hours limit: 100 hr/yr.	Compliance with NSPS Subpart IIII	84	TPY			0			,	
	ST. CHARLES POWER	SCPS Emergency Diesel														
LA-0313	STATION CAMERON LNG	8/31/2016 Generator 1 emergency generator	Diesel	2584	HP		Good combustion practices	(	)			0	+	1	1	+
LA-0316	FACILITY	2/17/2017 engines (6 units)	diesel	3353	hp		good combustion practices	(	)			0		(		
	METHANEX -					I-GDE-1201, II-GDE-1201 = 2346 hp										
LA-0317	GEISMAR METHANOL PLANT	Emergency Generator 12/22/2016 Engines (4 units)	Diesel	0		I-GDE-1202 = 755 hp I-GDE-1203 = 1193 hp	complying with 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ		)			0				
		Emergency Diesel				100000000000000000000000000000000000000										
	GRAYLING	Generator Engine (EUEMRGRICE in				On any displayment and a troops				BASED UPON A 12-MO ROLLING	.			1		
MI-0421	PARTICLEBOARD	8/26/2016 FGRICE)	Diesel	500	H/YR	One emergency diesel generator engine rated at 1600 kW (EUEMRGRICE in FGRICE).	Good combustion and design practices.	225	T/YR	TIME PERIOD	'	ol		(	l .	
				300	T			1 22.	1			1	1	1		
						a 2,922 horsepower (HP) (2,179 kilowatts (kW)) diesel fueled emergency engine manufactured in 2011 or later and a										
						displacement of <10 liters/cylinder. Restricted to 4 hours/day,										
		EUEMENGINE (Diesel				except during emergency conditions and stack testing, and 500				12-MO. ROLLING	G					
MI-0423	INDECK NILES, LLC	1/4/2017 fuel emergency engine)	Diesel Fuel	22.68	MMBTU/H	hours/year on a 12-month rolling time period basis.	Good combustion practices	928	T/YR	TIME PERIOD		0		(		
						A 260 brake horsepower (bhp) diesel-fueled emergency engine										
						manufactured in 2011 or later and a displacement of <10										
		PHENENICHIE				liters/cylinder. Powers a fire pump used for a back up during										
		EUFPENGINE (Emergency engine-				an emergency (EUFPENGINE). Restricted to 1 hour/day, except during emergency conditions and stack testing, and 100				12 MO. ROLLING	a					
MI-0423	INDECK NILES, LLC	1/4/2017 diesel fire pump)	Diesel	1.66	MMBTU/H	hours/year on a 12-month rolling time period basis.	Good combustion practices	13.58	T/YR	TIME PERIOD		0		(		
		FUEMRGRICE1 in														
	GRAYLING	FGRICE (Emergency				One emergency diesel generator engine rated at 1500 KW				12-MO ROLLING	;					
MI-0425	PARTICLEBOARD	5/9/2017 diesel generator engine)	Diesel	500	H/YR	(EUEMRGRICE1 in FGRICE).	Good combustion and design practices.	209	T/YR	TIME PERIOD		0		(		
		EUEMRGRICE2 in														
	GRAYLING	FGRICE (Emergency				One emergency diesel generator engine rated at 1500 KW				12-MO ROLLING	;					
MI-0425	PARTICLEBOARD	5/9/2017 Diesel Generator Engine	Diesel	500	H/YR	(EUEMRGRICE2 in FGRICE).	Good combustion and design practices.	70	T/YR	TIME PERIOD		0		(		
						A 1,341 HP (1,000 kilowatts (KW)) diesel-fired emergency engine with a model year of 2011 or later, and a displacement										
	MEC NORTH, LLC	EUEMENGINE (North				of <10 liters/cylinder. The engine is designed to be compliant										
	AND MEC SOUTH	Plant): Emergency				with Tier IV emission standards. Equipped with a diesel				12-MO. ROLLING	G					
*MI-0433	LLC	6/29/2018 Engine	Diesel	1341	HP	particulate filter.  A 1,341 HP (1,000 kilowatts (kW)) diesel-fired emergency	Good combustion practices.	383	T/YR	TIME PERIOD		0		(		
						engine with a model year of 2011 or later, and a displacement										
	MEC NORTH, LLC	EUEMENGINE (South				of <10 liters/cylinder. The engine is designed to be compliant										
*MI-0433	AND MEC SOUTH	Plant): Emergency 6/29/2018 Engine	D: 1	1341	IIID	with Tier IV emission standards. Equipped with a diesel		201	T/YR	12-MO ROLLING TIME PERIOD	i			l ,		
*MI-0455	LLC	6/29/2018 Engine	Diesei	1341	HP	particulate filter.  A nominal 2 MW diesel-fueled emergency engine with a	Good combustion practices.	38:	5 1/YR	TIME PERIOD		0		-	1	
	BELLE RIVER					model year of 2011 or later, and a displacement of <10										
*MI-0435	COMBINED CYCLE POWER PLANT	EUEMENGINE: 7/16/2018 Emergency engine	Discal	,	MW	liters/cylinder. The engine is an EPA Tier 2 certified engine subject to NSPS IIII.	Energy afficient decign	161	T/YR	12-MO ROLLING	3			1 ,		
111111111111111111111111111111111111111			1210301	1		Suggest to 1151 S IIII.	Energy efficient design.  Equipment specifications and good	10:		LIVIE LEGIOD		1		1		_
	BEAUMONT	EMERGENCY	L				combustion practices. Operation limited									
TX-0799	TERMINAL	6/8/2016 ENGINES DIESEL-FIRED	diesel	0	+		to 100 hours per year.	6.79	T/YR	+		0	+	1	-	+
		EMERGENCY														
****	GREENSVILLE	GENERATOR 3000 kW	nman:					]					12 MO ROLLING	:		
*VA-0325	POWER STATION	6/17/2016 (1) PROPANE-FIRED	DIESEL FUEL	0	+		Good Combustion Practices/Maintenance	163.6	LB/MMBTU	+	117	8 T/YR	TOTAL	1	-	+
		EMERGENCY														
****	GREENSVILLE	GENERATORS 150 kW											12 MO ROLLING	:		
*VA-0325	POWER STATION POINT THOMSON	6/17/2016 (2)	PROPANE	0	1	1	Good Combustion Practices/Maintenance	136.1	LB/MMBTU	+	12	1 T/YR	AVG	+ (	1	+
	PRODUCTION	Combustion of Diesel by	- [				Good Combustion Practices and 40 CFR							1		
AK-0076	FACILITY PODIT THOMSON	8/20/2012 ICEs	ULSD	1750	kW	Diesel-fired generators	60 Subpart IIII requirements	(		1		0		-	-	
	POINT THOMSON PRODUCTION	Emergency Camp	Ultra Low Sulfur			Three 2,695 hp ULSD-fired Standby Camp Generator								1		
*AK-0082	FACILITY	1/23/2015 Generators	Diesel	2695	hp	Engines.		2332	T/YR	COMBINED		0		(		
	POINT THOMSON		rn. r													
*AK-0082	PRODUCTION FACILITY	Airstrip Generator 1/23/2015 Engine	Ultra Low Sulfur Diesel	490	hn	One 490 hp Airstrip Generator Engine		165	T/YR			ا		1	J	
, LK-0002	POINT THOMSON			490	144			10:				1		1		1
	PRODUCTION	Bulk Tank Generator	Ultra Low Sulfui		l.	Two ULSD-fired 891 hp Bulk Tank Storage Area Generator				and market				1 .		
*AK-0082	FACILITY	1/23/2015 Engines	Diesel	891	hp	Engines		7194	T/YR	COMBINED	1	0		1	-	+
1			1			Kerr-McGee is proposing to install one 839 bhp diesel-fired				1		1				
			1	1	1	emergency generator as part of this project. The generator	1	1	1	1	1	1	1	1	i .	1
*CO-0067	LANCASTER PLANT	6/4/2013 Emergency Generator	diesel		gal per year	will be limited to 500 hours of operation per year.	NSPS IIII compliant.									

### Table D-D-9 Greenhouse Gases (GHG) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE   DATE   PROCESS NAME	PRIMARY FUEL THROUGH	THROUGHP UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	ADMER	AVG TIME CONDITION
RBLCID	FACILITY NAME	DATE PROCESS NAME	FUEL THROUGH	OI UNII	PROCESS NOTES	DESCRIPTION	LIMIT I	UNII	CONDITION	LIMIT 2	UNII	CONDITION	EMISSION LIMIT	UNII	CONDITION
	ENI - HOLY CROSS					Use of good combustion practices, based on the current manufacturer's			12-MONTH						i '
*FL-0328	DRILLING PROJECT	10/27/2011 Emergency Engine	Diesel	0	MAN D-2842 LE model engine	specifications for this engine	14.0	6 T/YR	ROLLING		0		(		
						Use of good combustion practices, based									i '
*FL-0328	ENI - HOLY CROSS DRILLING PROJECT	Emergency Fire Pump 10/27/2011 Engine	D' I		Detroit 8V-92 TA model engine	on the current manufacturer's specifications for this engine	2	4 T/YR	12-MONTH ROLLING				l ,		i '
*FL-0328	DRILLING PROJECT	10/2//2011 Engine	Diesei	- 0	Detroit 8V-92 1A model engine		2.5	4 1/YK	ROLLING		0		1		
						Use of good combustion practices based on the current manufacturer's									i '
						specifications for these engines, use of low sulfur diesel fuel, positive crankcase			PER YEAR 12						i '
		Emergency Generator				ventilation, turbocharger with aftercooler,			MONTH						i '
*FL-0338	SAKE PROSPECT DRILLING PROJECT	Diesel Engine - 5/30/2012 Development Driller 1	Diesel	2229 hp		high pressure fuel injection with aftercooler	77.8	4 T/YR	ROLLING TOTAL		0				i '
						Use of good combustion practices based									
						on the current manufacturer's									i '
						specifications for these engines, use of low sulfur diesel fuel, positive crankcase			PER YEAR 12						i '
	SAKE PROSPECT	Emergency Generator Diesel Engine - C.R.				ventilation, turbocharger with aftercooler, high pressure fuel injection with			MONTH ROLLING						i '
*FL-0338	DRILLING PROJECT	5/30/2012 Luigs	diesel	2064 hp	Caterpillar D3516A 1998	aftercooler	72.0	6 T/YR	TOTAL		0		(		
IA-0105	IOWA FERTILIZER COMPANY	10/26/2012 Emergency Generator	diesel fuel	142 GAL/H	rated @ 2,000 KW	good combustion practices	788.:	5 T/YR	ROLLING 12 MONTH TOTAL		0		(		
	IOWA FERTILIZER								AVERAGE OF 3 STACK TEST						
IA-0105	COMPANY	10/26/2012 Emergency Generator	diesel fuel	142 GAL/H	rated @ 2,000 KW	good combustion practices	1.5:	5 G/KW-H	RUNS AVERAGE OF 3		0		(		<u> </u>
	IOWA FERTILIZER								STACK TEST						i '
IA-0105	COMPANY CF INDUSTRIES	10/26/2012 Emergency Generator	diesel fuel	142 GAL/H	rated @ 2,000 KW	good combustion practices	0.000	1 G/KW-H	RUNS		0		(		
	NITROGEN, LLC - PORT NEAL								AVERAGE OF THREE (3)						i '
	NITROGEN								STACK TEST						i '
*IA-0106	COMPLEX CF INDUSTRIES	7/12/2013 Emergency Generators	diesel fuel	180 GAL/H	There are two (2) identically sized generators.	good combustion practices	1.5:	5 LB/KW-H	RUNS		0		-		
	NITROGEN, LLC - PORT NEAL								AVERAGE OF THREE (3)						i '
	NITROGEN								STACK TEST						i '
*IA-0106	COMPLEX CF INDUSTRIES	7/12/2013 Emergency Generators	diesel fuel	180 GAL/H	There are two (2) identically sized generators.	good combustion practices	0.000	1 G/KW-H	RUNS		0	-	(		
	NITROGEN, LLC - PORT NEAL								ROLLING						i '
	NITROGEN								TWELVE (12)						i '
*IA-0106	COMPLEX CRONUS	7/12/2013 Emergency Generators	diesel fuel	180 GAL/H	There are two (2) identically sized generators.	good combustion practices Tier IV standards for non-road engines at	50	9 T/YR	MONTH TOTAL		0		(		
*IL-0114	CHEMICALS, LLC	9/5/2014 Emergency Generator TWO (2)	distillate fuel oil	3755 HP	THE TWO INTERNAL COMBUSTION ENGINES,	40 CFR 1039.102, Table 7.	433	2 T/YR	12		0		(		
	ST. JOSEPH ENEGRY	EMERGENCY DIESEI			IDENTIFIED AS EG01 AND EG02, EXHAUST	GOOD ENGINEERING DESIGN AND			CONSECUTIVE						i '
*IN-0158	CENTER, LLC	12/3/2012 GENERATORS	DIESEL	1006 HP EACH	THROUGH TWO (2) VENTS.	FUEL EFFICIENT DESIGN GOOD ENGINEERING DESIGN AND	1186	6 T/YR	MONTH PERIOD	)	0		-		
	ST. JOSEPH ENEGRY	EMERGENCY DIESEI			THIS ONE (1) INTERNAL COMBUSTION ENGINE, IDENTIFIED AS EG03, EXHAUSTS THROUGH ONE (1)	FUEL EFFICIENT DESIGN POST COMBUSTION CARBON			12 CONSECUTIVE		HOURS OF				i '
*IN-0158	CENTER, LLC	12/3/2012 GENERATOR	DIESEL	2012 HP	VENT.	CAPTURE	1186	6 T/YR	MONTH PERIOD	50	00 OPERATION	YEARLY	(		
		TWO (2)				USE OF GOOD ENGINEERING DESIGN AND EFFICIENT ENGINES			TWELVE						i '
*IN-0166	INDIANA GASIFICATION, LLC	EMERGENCY 6/27/2012 GENERATORS	DIESEL	HORSEPOWI 1341 EACH	R, IDENTIFIED AS EU-009A AND EU-009B	MEETING APPLICABLE NSPS AND MACT STANDARDS	0.	4 T/YR	CONSECUTIVE MONTHS						i '
11N-0100	MIDWEST	DIESEL FIRED	DIESEL	1341 EACH	ANNUAL OPERATING HOURS SHALL NOT EXCEED		0-	4 1/ 1 K	MONTHS				1		
*IN-0173	FERTILIZER CORPORATION	EMERGENCY 6/4/2014 GENERATOR	NO. 2, DIESEL	3600 BHP	500 HOURS. INSIGNIFICANT ACTIVITY WILL NOT BE TESTED.	GOOD COMBUSTION PRACTICES	526.39	9 G/HP-H	3-HR AVERAGE		0				i '
	OHIO VALLEY	DIESEL-FIRED EMERGENCY			ANNUAL HOURS OF OPERATION NOT TO EXCEED										
*IN-0179	RESOURCES, LLC MIDWEST	9/25/2013 GENERATOR DIESEL FIRED	NO. 2 FUEL OIL	4690 B-HP	200 HOURS. ANNUAL OPERATING HOURS SHALL NOT EXCEED	GOOD COMBUSTION PRACTICES	526.39	9 G/HP-H	3-HR AVERAGE		0		(		
	FERTILIZER	EMERGENCY			500 HOURS. INSIGNIFICANT ACTIVITY WILL NOT BE										
*IN-0180	CORPORATION NINEMILE POINT	6/4/2014 GENERATOR	NO. 2, DIESEL	3600 BHP	TESTED.	GOOD COMBUSTION PRACTICES	526.39	9 G/HP-H	3-HR AVERAGE		0		-		
LA-0254	ELECTRIC GENERATING PLANT	EMERGENCY DIESEI 8/16/2011 GENERATOR	DIESEL	1250 HP		PROPER OPERATION AND GOOD COMBUSTION PRACTICES	0.001	4 LB/MMBTU					0.001	LB/MMBTU	i .
LA-0234	NINEMILE POINT		DIESEL	1230 FIF			0.0014	- LDOWINBIU			V		0.0014	LOUWINDIU	
LA-0254	ELECTRIC GENERATING PLANT	EMERGENCY DIESEI 8/16/2011 GENERATOR	DIESEL	1250 HP		PROPER OPERATION AND GOOD COMBUSTION PRACTICES	163	3 LB/MMBTU			0		163	LB/MMBTU	<u> </u>
	NINEMILE POINT ELECTRIC	EMERGENCY DIESEI				PROPER OPERATION AND GOOD									
LA-0254	GENERATING PLANT	8/16/2011 GENERATOR	DIESEL	1250 HP		COMBUSTION PRACTICES	0.006	1 LB/MMBTU			0		0.0061	LB/MMBTU	
	AMMONIA PRODUCTION	EMERGENCY DIESEI	.		OPERATING TIME OF GENERATOR IS LIMITED TO										
*LA-0272	FACILITY SALEM HARBOR	3/27/2013 GENERATOR (2205-B	DIESEL	1200 HP	500 HR/YR.	ENERGY EFFICIENCY MEASURES	-	0	1	1	0		(		
	STATION	Emergency			â‰□ 300 hours of operation per 12-month rolling period			4 v n a n mmv							
*MA-0039	REDEVELOPMENT OREGON CLEAN	1/30/2014 Engine/Generator Emergency fire pump	ULSD	7.4 MMBtu/hr	S in ULSD: a‰=0.0015% by weight 223.8 kW. Emergency fire pump engine restricted to 500			5 LB/MMBTU	PER ROLLING 1	2-	0		+ (		
*OH-0352	ENERGY CENTER OREGON CLEAN	6/18/2013 engine	diesel	300 HP	hours of operation per rolling 12 months.  Emergency diesel fired generator restricted to 500 hours of		8	7 T/YR	MONTHS PER ROLLING 1		0		-		
*OH-0352	ENERGY CENTER HICKORY RUN	6/18/2013 Emergency generator EMERGENCY	diesel	2250 KW	operation per rolling 12-months.		87	8 T/YR	MONTHS 12-MONTH		0		(		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013 GENERATOR	Ultra Low sulfur Distillate	7.8 MMBTU/H	EMERGENCY GENERATOR (1,135 BHP - 750 KW)		80.:	5 T/YR	12-MONTH ROLLING BASIS		0				
		-													

### Table D-D-9 Greenhouse Gases (GHG) RBLC Search - Emergency Generator Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT		CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1		EMISSION LIMIT 2		AVG TIME CONDITION	STANDARAD EMISSION LIMIT	AVG TIME CONDITION
	ENERGY ANSWERS			<del>-</del>											
	ARECIBO PUERTO						Emergency Generator is rated at 670 BHP and is limited to								
	RICO RENEWABLE		Emergency Diesel				500 hr per year (emergency and testing and maintenance,								
*PR-0009	ENERGY PROJECT	4/10/2014		ULSD Fuel oil # 2	(		combined)		183	T/YR	0			0	
								Equipment specifications & work							
								practices -							
	GOLDEN PASS LNG		Emergency Engine					Good combustion practices and limited							
*TX-0766	EXPORT TERMINAL	9/11/2015	Generators	Diesel	750	hp	Six diesel engines at site.	operational hours	40	HR/YR	123	T/YR		0	
	MOUNDSVILLE														
	COMBINED CYCLE														
*WV-0025	POWER PLANT	11/21/2014	Emergency Generator	Diesel	2015.7	HP	Nominal 1,500 kW. Limited to 100 hours/year.		2416	LB/H	(	)		0	